



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.:	<b>IECEX FMG 19.0029U</b>	Page 1 of 4	<u>Certificate history:</u> Issue 3 (2024-04-04) Issue 2 (2023-11-26) Issue 1 (2023-01-25) Issue 0 (2020-01-15)
Status:	<b>Current</b>	Issue No: 4	
Date of Issue:	2025-08-20		
Applicant:	<b>R. STAHL Schaltgeräte GmbH</b> Am Bahnhof 30 74638 Waldenburg Germany		
Ex Component:	The 8530/1 series of Explosion-Protected Circuit Protection Devices: MCBs, RCCBs, and RCBOs are housed within a non-metallic flameproof housing with the size of housing and ratings according to the configuration as detailed within the attached Annex that forms an integral part of this certificate		
<i>This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).</i>			
Type of Protection:	<b>Flameproof "d"; Increased Safety "e"</b>		
Marking:	See attachment for marking details on each Type Code Series		

Approved for issue on behalf of the IECEx  
Certification Body:

**J. E. Marequedant**

Position:

**VP, Manager - Electrical Systems**

Signature:  
(for printed version)

Date:  
(for printed version)

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United States of America





# IECEX Certificate of Conformity

Certificate No.: **IECEX FMG 19.0029U**

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Date of issue: 2025-08-20

Issue No: 4

Manufacturer: **R. STAHL Schaltgeräte GmbH**  
Am Bahnhof 30  
Waldenburg  
Germany

Manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/FMG/ExTR19.0035/00](#)  
[US/FMG/ExTR19.0035/03](#)

[US/FMG/ExTR19.0035/01](#)

[US/FMG/ExTR19.0035/02](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/20](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX FMG 19.0029U**

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Date of issue: 2025-08-20

Issue No: 4

**Ex Component(s) covered by this certificate is described below:**

The 8530/1 series of Explosion-Protected Circuit Protection Devices: MCBs, RCCBs, and RCBOs are housed within a non-metallic flameproof housing with the size of housing and ratings according to the configuration as detailed within the attached Annex A that forms an integral part of this certificate.

See Annex A for the functional temperature range of the circuit protection devices. The explosion protection of the Ex Component enclosures has been evaluated for  $-60\text{ °C} \leq T_s \leq +110\text{ °C}$ .

**SCHEDULE OF LIMITATIONS:**

See attached Annex for the Schedule of Limitations for each Type Series.



# IECEX Certificate of Conformity

Certificate No.: **IECEX FMG 19.0029U**

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Date of issue: 2025-08-20

Issue No: 4

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Addition of Explosion-protected Series 8530 enclosure manufactured with new material.

**Annex:**

[IECEX\\_FMG-19.0029U-ANNEX.pdf](#)

## **8530/1 MCB**

### **8530/1-MCB-STAb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC & 60 VDC.
2. In a 20 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 230 VAC & 60 VDC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STA151-de-fg-h. Explosion Protected Circuit

#### Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, or 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 230 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 20 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 9 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or K.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 230 VAC.
2. In a 10 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### Schedule of Limitations:

1. Rated 230 VAC.
2. In a 10 A application, field wiring conductors shall be rated not less than 6 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 11 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 21 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D & K.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 230 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 40 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 28 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 48 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 230 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, or D.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### **Schedule of Limitations:**

1. Rated 230 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 40 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 28 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 48 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic K or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### Schedule of Limitations:

1. Rated 230 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 23 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 36 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or K.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 10 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 21 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 10 A application, field wiring conductors shall be rated not less than 6 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 11 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 21 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or K.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 20 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 40 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 28 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 48 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 20 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, or D.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 40 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 28 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 48 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic K or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 35 above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 23 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 36 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, or 16.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 8 A application, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
3. In a 16 A application, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 8 A application, the maximum rise of this MCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
8. In a 16 A application, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. In a 8 A application, the maximum rise of this MCB for the determination of temperature class is 15 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 16 A application, the maximum rise of this MCB for the determination of temperature class is 19 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 10 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or K.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 20 A application, field wiring conductors shall be rated not less than 15 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 43 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 20 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 25 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 59 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic K.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 25 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic K.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, or 16.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 8 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 16 A applications, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 8 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 16 A applications, the maximum rise of this MCB enclosure is 18 K with a limiting temperature in the final application of 110 °C.
9. For 8 A applications, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 16 A applications, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 10 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 20 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 22 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, or D.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 20 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 30 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic K.
- e = Nominal current 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 20 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. For 20 A applications, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
7. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 30 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic K.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 31.5 A applications, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 43 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 53 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. For 31.5 A applications, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 46 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 46 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb4-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 10 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 11 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 33 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb4-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 20 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 10 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb4-de-fg-4. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### Schedule of Limitations:

1. Rated 230 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 16 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 46 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 30 K with a limiting temperature in the final application of 110 °C.
9. In a 61.5 A application, the maximum rise of this MCB for the determination of temperature class is 20 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 46 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb1N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 15 or 25.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size, 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 15, the maximum available fault current shall not exceed 15 000 symmetrical amperes.
12. For b = 25, the maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA151N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size, 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 254 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 40 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 28 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 48 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STAb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 15 or 25.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size, 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 15, the maximum available fault current shall not exceed 15 000 symmetrical amperes.
12. For b = 25, the maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA152-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size, 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 40 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 28 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 48 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STAb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short circuit rating 15 or 25
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 15, the maximum available fault current shall not exceed 15 000 symmetrical amperes.
12. For b = 25, the maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA153-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 43 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA153-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 59 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA153N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic K.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 18 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA153N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA153N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 25, 30, 32, 35, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 30 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STA153N-de-fg-4. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### Schedule of Limitations:

1. Rated 440Y/254 VAC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 46 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 46 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA251N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 254 VAC.
2. In a 12.5 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 25 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 12.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 25 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. In a 12.5 A application, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 25 A application, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA252-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. In a 12.5 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 25 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 12.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 25 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. In a 12.5 A application, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 25 A application, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STA253-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/254 VAC.
2. In a 12.5 A application, field wiring conductors shall be rated not less than 15 K above the surrounding air temperature.
3. In a 25 A application, field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 12.5 A application, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
8. In a 25 A application, the maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
9. In a 12.5 A application, the maximum rise of this MCB for the determination of temperature class is 43 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 25 A application, the maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STA253N-de-fg-4. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic K.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, or 16.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### Schedule of Limitations:

1. Rated 440Y/254 VAC.
2. In a 8 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 16 A application, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 8 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 16 A application, the maximum rise of this MCB enclosure is 18 K with a limiting temperature in the final application of 110 °C.
9. In a 8 A application, the maximum rise of this MCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 16 A application, the maximum rise of this MCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA253N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. In a 10 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA253N-K20-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. In a 10 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 30 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STA253N-d25-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. In a 12.5 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 25 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 12.5 A application, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. In a 25 A application, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. In a 12.5 A application, the maximum rise of this MCB for the determination of temperature class is 30 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 25 A application, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STSb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 35.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 240 VAC & 60 VDC.
2. In a 17.5 A application, field wiring conductors shall be rated not less than 6 K above the surrounding air temperature.
3. In a 35 A application, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 17.5 A application, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. In a 35 A application, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
9. In a 17.5 A application, the maximum rise of this MCB for the determination of temperature class is 8 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 35 A application, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb1-d40-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 240 VAC & 60 VDC.
2. In a 20 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 20 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 7 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STsb1-Ce-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 240 VAC & 60 VDC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 18 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STSb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 240 VAC & 60 VDC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 14 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb1N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 35.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 17.5 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 35 A application, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 17.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 35 A application, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. In a 17.5 A application, the maximum rise of this MCB for the determination of temperature class is 19 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 35 A application, the maximum rise of this MCB for the determination of temperature class is 29 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb1N-d40-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 31 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 21 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb1N-Ce-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb1N-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 46 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 30 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 46 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STsb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 35.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 17.5 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 35 A application, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 17.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 35 A application, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. In a 17.5 A application, the maximum rise of this MCB for the determination of temperature class is 19 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 35 A application, the maximum rise of this MCB for the determination of temperature class is 29 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb2-d40-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 20 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 31 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 21 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STsb2-Ce-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STSb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 60 VDC (1-Pole) 125 VDC (2-Pole in Series).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 46 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 30 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 46 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STSb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC.
2. In a 10 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 20 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 23 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STSb3-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, or 35.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC.
2. In a 17.5 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 35 A application, field wiring conductors shall be rated not less than 30 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 17.5 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 35 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 17.5 A application, the maximum rise of this MCB for the determination of temperature class is 27 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 35 A application, the maximum rise of this MCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb3-D40-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 27 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb3-d40-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- d = Tripping characteristic B, C, K, or Z.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STsb3-De-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 41 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 29 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 50 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb3-Ce-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STSb3-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- d = Tripping characteristic B, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 10 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 10 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 20 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb3N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb3N-Ce-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 39 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 27 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 41 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb4-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 10 A application, field wiring conductors shall be rated not less than 6 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 4 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 16 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 8 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STsb4-de-fg-4. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 25, 30, or 32.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 20 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 4 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 9 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-STsb4-de-fg-4. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 20 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 4 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 9 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb4-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, K or Z.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 240 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 25 K with a limiting temperature in the final application of 110 °C.
9. In a 61.5 A application, the maximum rise of this MCB for the determination of temperature class is 11 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb4-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic D.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 240 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 4 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 61.5 A application, the maximum rise of this MCB for the determination of temperature class is 9 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STSb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 15 or 25
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 15, the maximum available fault current shall not exceed 15 000 symmetrical amperes.
12. For b = 25, the maximum available fault current shall not exceed 25 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STsb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 15.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 14 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-ST5153-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 05, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, or 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 20 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 23 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-ST5153-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-STS153-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-ST5153N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 10 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 10 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 20 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-ST5153N-de-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 20 A applications, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-ST5153N-Ce-fg-4. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 440Y/254 VAC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 39 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 27 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 41 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 15 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA101-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, 40, 50, and 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 125 VDC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 15 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440 VDC (2 Poles in Series).
2. For 20 A applications, field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 22 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 15 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 41 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440 VDC (2 Poles in Series).
2. For 31.5 A applications, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 44 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 26 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 54 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 60 VDC or 125 VDC (2 Poles in series).
2. For 10 A applications, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 25 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 15 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 21 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 60 VDC or 125 VDC (2 Poles in series).
2. For 20 A applications, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 37 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 22 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 44 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 60 VDC or 125 VDC (2 Poles in series).
2. For 31.5 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 31 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 27 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 48 VDC or 96 VDC (2 Poles in series).
2. For 10 A applications, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 17 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 25, 30, 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 48 VDC or 96 VDC (2 Poles in series).
2. For 20 A applications, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCA103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 48 VDC or 96 VDC (2 Poles in series).
2. For 31.5 A applications, field wiring conductors shall be rated not less than 21 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 59 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-DCSb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short circuit current 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, or 25.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 125 VDC.
2. For 12.5 A applications, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. For 25 A applications, field wiring conductors shall be rated not less than 20 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 12.5 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 25 A applications, the maximum rise of this MCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
9. For 12.5 A applications, the maximum rise of this MCB for the determination of temperature class is 10 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 25 A applications, the maximum rise of this MCB for the determination of temperature class is 25 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCSb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short circuit current 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 125 VDC.
2. For 20 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 8 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 20 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-DCSb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- b = Short circuit current 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 125 VDC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 16 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 11 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCS102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, or 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 125 VDC (2 Poles in series).
2. For 15 A applications, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
3. For 30 A applications, field wiring conductors shall be rated not less than 21 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 15 A applications, the maximum rise of this MCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
8. For 30 A applications, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. For 15 A applications, the maximum rise of this MCB for the determination of temperature class is 21 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 30 A applications, the maximum rise of this MCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCS102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 32, 35, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 125 VDC (2 Poles in series).
2. For 20 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 36 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-DCS102-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +70 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 125 VDC (2 Poles in series).
2. For 31.5 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 36 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 23 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 44 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAAb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC & 48 VDC.
2. For 10 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 8 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NAAb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 230 VAC & 48 VDC.
2. For 20 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 7 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 17 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAAb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC & 48 VDC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAAb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +55 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 10 A application, field wiring conductors shall be rated not less than 6 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 4 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 7 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 27 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NAAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +55 °C

b = Short-circuit rating 06 or 10

d = Tripping characteristic B, C, D, K or Z.

e = Nominal current 25, 30, 32, or 40.

f = Accessories 0, 1, 2, 3, 4, 5, or 6.

g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 440Y/253 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 20 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 14 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 50 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NAAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +55 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 50, 60, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 240 VAC & 48 VDC (1 Pole), 96 VDC (2 Pole).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
9. In a 61.5 A application, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 44 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAA103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 48 VDC (1-Pole) 96 VDC (2-Pole in Series).
2. Field wiring conductors shall be rated not less than 47K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAA103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 400Y/230 VAC or 48 VDC (1 Pole) or 96 VDC (2 Poles in Series)
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NDAb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Short circuit rating 06 or 10.
- d = Tripping characteristic Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 60 VDC.
2. For 10 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 8 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NDAb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, or K.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 60 VDC.
2. For 10 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. For 20 A applications, field wiring conductors shall be rated not less than 28 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 10 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 20 A applications, the maximum rise of this MCB enclosure is 14 K with a limiting temperature in the final application of 110 °C.
9. For 10 A applications, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 33 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NDAb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, or K.
- e = Nominal current 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 60 VDC.
2. For 20 A applications, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 10 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NDAb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +55 °C

b = Short-circuit rating 06 or 10

- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, or 20.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 60 VDC (1 Pole), 125 VDC (2 Pole).
2. In a 10 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. In a 20 A application, field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 10 A application, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. In a 20 A application, the maximum rise of this MCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
9. In a 10 A application, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NDAb2-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +55 °C

- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### Schedule of Limitations:

1. Rated 60 VDC (1 Pole), 125 VDC (2 Pole).
2. In a 20 A application, field wiring conductors shall be rated not less than 19 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 23 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 40 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-MCB-NASb1-de-fg-h. Explosion Protected Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, or 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### Schedule of Limitations:

1. Rated 230 VAC & 60 VDC.
2. For 15 A applications, field wiring conductors shall be rated not less than 7 K above the surrounding air temperature.
3. For 30 A applications, field wiring conductors shall be rated not less than 21 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 15 A applications, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. For 30 A applications, the maximum rise of this MCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
9. For 15 A applications, the maximum rise of this MCB for the determination of temperature class is 9 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 30 A applications, the maximum rise of this MCB for the determination of temperature class is 25 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NASb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 32, 35 or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC & 60 VDC.
2. For 20 A applications, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. For 40 A applications, field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 20 A applications, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. For 40 A applications, the maximum rise of this MCB enclosure is 16 K with a limiting temperature in the final application of 110 °C.
9. For 20 A applications, the maximum rise of this MCB for the determination of temperature class is 9 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 40 A applications, the maximum rise of this MCB for the determination of temperature class is 30 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NASb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 45 or 50.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC & 60 VDC.
2. For 25 A applications, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
3. For 50 A applications, field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 25 A applications, the maximum rise of this MCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
8. For 50 A applications, the maximum rise of this MCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
9. For 25 A applications, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 50 A applications, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NASb1-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b = Short circuit rating 06 or 10.
- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 60 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 1, 2 or 3.

#### **Schedule of Limitations:**

1. Rated 230 VAC & 60 VDC.
2. For 31.5 A applications, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
3. For 63 A applications, field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. For 31.5 A applications, the maximum rise of this MCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
8. For 63 A applications, the maximum rise of this MCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
9. For 31.5 A applications, the maximum rise of this MCB for the determination of temperature class is 15 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. For 63 A applications, the maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-aSb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- a = Application NA or ND
- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25 or 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1 Pole), 125 VDC (2 Pole).
2. In a 15 A application, field wiring conductors shall be rated not less than 5 K above the surrounding air temperature.
3. In a 30 A application, field wiring conductors shall be rated not less than 20 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 15 A application, the maximum rise of this MCB enclosure is 3 K with a limiting temperature in the final application of 110 °C.
8. In a 30 A application, the maximum rise of this MCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
9. In a 15 A application, the maximum rise of this MCB for the determination of temperature class is 6 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 30 A application, the maximum rise of this MCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-aSb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- a = Application NA or ND
- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 32, 35 or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 60 VDC (1 Pole), 125 VDC (2 Pole).
2. In a 20 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 39 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 20 A application, the maximum rise of this MCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
8. In a 40 A application, the maximum rise of this MCB enclosure is 22 K with a limiting temperature in the final application of 110 °C.
9. In a 20 A application, the maximum rise of this MCB for the determination of temperature class is 10 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 40 A application, the maximum rise of this MCB for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-aSb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- a = Application NA or ND
- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 45 or 50.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC & 60 VDC (1 Pole), 125 VDC (2 Pole).
2. In a 25 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. In a 50 A application, field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 25 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 50 A application, the maximum rise of this MCB enclosure is 25 K with a limiting temperature in the final application of 110 °C.
9. In a 25 A application, the maximum rise of this MCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 50 A application, the maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-aSb2-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- a = Application NA or ND
- b = Short-circuit rating 06 or 10
- d = Tripping characteristic B, C, D, K or Z.
- e = Nominal current 60 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC & 60 VDC (1 Pole), 125 VDC (2 Pole).
2. In a 31.5 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
7. In a 31.5 A application, the maximum rise of this MCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
8. In a 63 A application, the maximum rise of this MCB enclosure is 22 K with a limiting temperature in the final application of 110 °C.
9. In a 31.5 A application, the maximum rise of this MCB for the determination of temperature class is 12 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
10. In a 63 A application, the maximum rise of this MCB for the determination of temperature class is 46 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. For b = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
12. For b = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAS103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 440Y/253 VAC & 48 VDC (1-Pole) 96 VDC (2-Pole in Series).
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-MCB-NAS103-de-fg-h. Explosion Protected Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Tripping characteristic B, C, D, K, or Z.
- e = Nominal current 45, 50 or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 400Y/230 VAC or 48 VDC (1 Pole) or 96 VDC (2 Poles in Series)
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1 RCCB**

### **8530/1-RCCB- STAb1N-d-16-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AP-R, or A110.
- d = Sensitivity 10.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 8 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. In a 16 A application, field wiring conductors shall be rated not less than 21 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
7. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
8. In a 8 A application, the maximum rise of this RCCB enclosure is 7 K with a limiting temperature in the final application of 105 °C.
9. In a 16 A application, the maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
10. In a 8 A application, the maximum rise of this RCCB for the determination of temperature class is 15 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 16 A application, the maximum rise of this RCCB for the determination of temperature class is 25 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAb1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AP-R, or A110.
- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 12.5 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
3. In a 25 A application, field wiring conductors shall be rated not less than 21 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
7. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
8. In a 12.5 A application, the maximum rise of this RCCB enclosure is 7 K with a limiting temperature in the final application of 105 °C.
9. In a 25 A application, the maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
10. In a 12.5 A application, the maximum rise of this RCCB for the determination of temperature class is 15 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 25 A application, the maximum rise of this RCCB for the determination of temperature class is 25 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB- STAb1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AS, AP-R, or A110.
- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 20 A application, field wiring conductors shall be rated not less than 8 K above the surrounding air temperature.
3. In a 40 A application, field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
7. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
8. In a 20 A application, the maximum rise of this RCCB enclosure is 6 K with a limiting temperature in the final application of 105 °C.
9. In a 40 A application, the maximum rise of this RCCB enclosure is 14 K with a limiting temperature in the final application of 105 °C.
10. In a 20 A application, the maximum rise of this RCCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 40 A application, the maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB- STAb1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AS, AP-R, or A110.
- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In a 31.5 A application, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In a 63 A application, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
7. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
8. In a 31.5 A application, the maximum rise of this RCCB enclosure is 7 K with a limiting temperature in the final application of 105 °C.
9. In a 63 A application, the maximum rise of this RCCB enclosure is 21 K with a limiting temperature in the final application of 105 °C.
10. In a 31.5 A application, the maximum rise of this RCCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 63 A application, the maximum rise of this RCCB for the determination of temperature class is 41 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB- STAb3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AP-R, or A110.
- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB- STAb3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AP-R, or A110.
- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 28 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 28 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB- STAb3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- b - Switching type A, AP-R, or A110.
- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 42 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 50 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB1N-d-16-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 32 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 32 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 28 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 28 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 42 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STABS3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 300 or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 28 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 28 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STABS3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

d = Sensitivity 300 or 500.

f = Accessories 0, 1, 2, 3, 4, 5, or 6.

g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

i

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 42 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+1N-d-16-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAB+3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +60 °C

- d = Sensitivity 30, 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAF1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAF1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAF1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAF3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 13 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 13 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAF3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 23 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STAF3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 42 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 42 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA1N-d-16-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 10 or 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In 8 A applications, field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
3. In 16 A applications, field wiring conductors shall be rated not less than 31 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
7. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
8. In 8 A applications, the maximum rise of this RCCB enclosure is 8 K with a limiting temperature in the final application of 105 °C.
9. In 16 A applications, the maximum rise of this RCCB enclosure is 18 K with a limiting temperature in the final application of 105 °C.
10. In 8 A applications, the maximum rise of this RCCB for the determination of temperature class is 27 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In 16 A applications, the maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30, 100, or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30, 100, or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 26 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 27 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 100.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 31 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 31 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 51 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 51 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 63 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 15 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 15 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 22 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 23 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSA3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30, 100, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 36 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 36 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAS1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAS1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAS1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAS3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 15 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 15 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAS3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 23 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAS3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 100 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 36 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 36 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAP1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAP3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 100.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 23 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSAP3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 100.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 36 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 36 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSB1N-d-e-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- e = Trip current 16, 25, 40, or 63.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. In 31.5 A applications, field wiring conductors shall be rated not less than 11 K above the surrounding air temperature.
3. In 63 A applications, field wiring conductors shall be rated not less than 28 K above the surrounding air temperature.
4. The flameproof enclosure cannot be repaired.
5. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
7. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
8. In 31.5 A applications, the maximum rise of this RCCB enclosure is 7 K with a limiting temperature in the final application of 105 °C.
9. In 63 A applications, the maximum rise of this RCCB enclosure is 14 K with a limiting temperature in the final application of 105 °C.
10. In 31.5 A applications, the maximum rise of this RCCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In 63 A applications, the maximum rise of this RCCB for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSb3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- b = Switching type B or B+.
- d = Sensitivity 30, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 22 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSb3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- b = Switching type B or B+.
- d = Sensitivity 30, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 22 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSb3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- b = Switching type B, B+, or BS.
- d = Sensitivity 30, 300, or 500.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 29 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 29 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSF1N-d-25-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSF1N-d-40-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 26 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 27 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSF1N-d-63-fg-h. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- h = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSF3N-d-25-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 15 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 15 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 18 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSF3N-d-40-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 23 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 23 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCCB-STSF3N-d-63-fg-4. Residual Current Circuit Breaker.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- d = Sensitivity 30 or 300.
- f = Accessories 0, 1, 2, 3, 4, 5, or 6.
- g = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.

#### **Schedule of Limitations:**

1. Rated 415Y/240 VAC.
2. Field wiring conductors shall be rated not less than 36 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 36 K with a limiting temperature in the final application of 105 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 37 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1 RCBO**

### **8530/1-RCBO-STAAc1N-e-fg-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 10.
- f = Tripping characteristic B or C.
- g = Nominal current 10 or 16.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 57 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 57 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 67 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 10.
- f = Tripping characteristic B or C
- g = Nominal current 10 or 16.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAc1N-e-fg-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 8, 10, 13, 15, 16, 20, 25, or 32.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 30 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 30 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C
- g = Nominal current 6, 8, 10, 13, 15, 16, 20, 25, or 32.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAc1N-e-f40-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAc1N-e-f40-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAPc1N-e-fg-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 13, 15, 16, or 20.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 26 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAPc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 10, 13, 15, 16, or 20.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAPc1N-e-fg-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 25, 30, 32, 35, or 40.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAAPc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30, 100 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 25, 30, 32, 35, or 40.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

**IECEX FMG 19.0029U  
ANNEX A**

**8530/1-RCBO-STAA110Vc1N-e-fg-000-2. Residual Current Circuit  
Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 10, 13, 15, 16, or 20.

**Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 26 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 31 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-RCBO-STAA110Vc1N-e-fg-hi-j. Explosion Protected Ground Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping Characteristic B or C.
- g = Nominal current 6, 10, 13, 15, 16, or 20.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAA110Vc1N-e-fg-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 25, 30, 32, 35, or 40.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 39 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### 8530/1-RCBO-STAA110Vc1N-e-fg-hi-j. Explosion Protected Ground Circuit Breaker.

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30 or 300.
- f = Tripping Characteristic B or C.
- g = Nominal current 25, 30, 32, 35, or 40.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### Schedule of Limitations:

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAFc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 10.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 10, 13, 15, or 16.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- i = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U ANNEX A

## **8530/1-RCBO-STAFc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 10, 13, 16, 20, 25, or 32.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STAFc1N-e-f40-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +55 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 2, 3, or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 10.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 8, 10, 13, or 16.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30 or 300.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 10, 13, 16, 20, 25, 32, 35, or 40.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAc2-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 8, 10, 13, 16, or 20.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 17 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAc2-e-f25-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 15 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAc2-e-f32-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 12 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAPc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 10, 13, 15, 16, or 20.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSAPc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -40 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 25, 30, 32, 35, or 40.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSFc1N-e-fg-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 24 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSFc1N-e-fg-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- g = Nominal current 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSFc1N-e-f40-000-2. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 24 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 25 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.

# IECEX FMG 19.0029U

## ANNEX A

### **8530/1-RCBO-STSFc1N-e-f40-hi-j. Residual Current Circuit Breaker with Overcurrent Protection.**

IECEX FMG 19.0029U

Ex db eb IIC Gb

Ts = -25 °C to +45 °C

- c = Short circuit 06 or 10.
- e = Sensitivity 30.
- f = Tripping characteristic B or C.
- h = Accessories 0, 1, 2, 3, 4, 5, or 6.
- i = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, 46, or 50.
- j = Housing size 3 or 4.

#### **Schedule of Limitations:**

1. Rated 240 VAC.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 105 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. For c = 06, the maximum available fault current shall not exceed 6 000 symmetrical amperes.
9. For c = 10, the maximum available fault current shall not exceed 10 000 symmetrical amperes.