CERTIFICATE OF CONFORMITY

1. **HAZARDOUS (CLASSIFIED) LOCATION COMPONENT PER US REQUIREMENTS**

2. **Certificate No:** **FM22US0011U**

3. **Component:** **Series 8550**
   (Type Reference and Name) **Explosion-Protected Circuit Protection Devices.**

4. **Name of Listing Company:** **R. STAHL Schaltgeräte GmbH**

5. **Address of Listing Company:** **Am Bahnhof 30, D-74638 Waldenburg (Württ.), Germany**

6. The examination and test results are recorded in confidential report number:

   PR458082 dated 15th June 2022

7. FM Approvals LLC, certifies that the component described has been found to comply with the following Approval standards and other documents:

   FM 3600:2022, ANSI/UL 489:2019, ANSI/UL 60079-0:2020, ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2021, ANSI/UL 60947-1:2022, ANSI/UL 60947-4-1:2022

8. The sign 'U' placed after the certificate number indicates that this certificate must not be mistaken for a certificate for equipment or a protective system. This certificate may only be used as the basis for the certification of equipment or a protective system. This certificate is issued to the manufacturer also intended to be the holder of the equipment certificate which includes this component.

9. This certificate relates to the design, examination and testing of the component specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the component as examined, tested and Approved.

10. Component Ratings:

    Flameproof “db” enclosure with increased safety “eb” terminals for Zone 1, AEx db eb IIB (or IIC) Gb. Also suitable for Class I, Division 2, Groups CD (or Groups ABCD) based on alternate permitted marking.

11. The marking of the component shall include:

    Certificate number FM22US0011U

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

10 July 2023
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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Zn 1, AEx db eb IIB (or IIC) Gb

Cl I, Div 2, Grps CD (or ABCD)

Manufacturer's name and address

Type number

Date Code

Electrical ratings

12. **Description of Component:**

The Explosion-protected Series 8550/1-MCCB is a main and branch circuit protective device for circuits feeding either resistive or inductive loads like lighting, motors, transformers, cables and other loads with high inrush current and is available with rated voltages of 600Y/347 VAC, 480 VAC, 480Y/277 VAC, or 250 VDC, depending on the specific insert.

The Explosion-protected Series 8550/1-CT is a contactor with rated voltages of 600 VAC, 480 VAC, or 250 VDC, depending on the specific insert These devices do not include short circuit protection and must be further protected by Class J fuses rated not more than 200 A.

The Explosion-protected Series 8550/1-OL is an electronic motor overload relay rated up to 600 V AC and for currents up to 100 A.

The Explosion-protected Series 8550/1-MCS is a Molded Case Switch rated up to 480 VAC and for currents up to 100 A. It contains only the short circuit interrupting parts without a thermal trip element.

Ordinary location molded case circuit breakers, contactors, or electronic overload devices, manufactured by Siemens or ABB, are built into flameproof enclosure with increased safety external terminals. The enclosure is certified as an Ex Component enclosure per IECEx FMG 20.0041U.

See Annex for the Type Code details.

13. **Schedule of Limitations:**

See Annex for Schedule of Limitations for each Types Series.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

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16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
15 June 2022	Original Issue.
10 July 2023	Supplement 1: Report Reference: PR465027 dated 10 July 2023. Description of the Change(s): Add Molded Case Switch 8550/1-MCS Minor revisions to model code options Rating of 8565/1-MCCB-GLN3-TM series increased to 600Y/347

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ANNEX

8550/1-MCCB-GLS3-TM-060

Description of Component:

8550/1-MCCB—GLS3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

e = Nominal current; 015, 020, 025, 030, 035, 040, 045, 050, or 060.
f = Terminal size; 10, 25, or 95.
g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 600Y/347 VAC, 480 VAC, and 250 VDC
2. The Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. The Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 30 A application, the maximum rise of this MCCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
9. In a 60 A application, the maximum rise of this MCCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 30 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 60 A application, the maximum rise of this MCCB 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-GLS3-TM-100

Description of Component:

8550/1-MCCB-GLS3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

e = Nominal current; 070, 080, 090, or 100.
f = Terminal size; 10, 25, or 95.
g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 600y/347 VAC, 480 VAC, and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 50 A application, the maximum rise of this MCCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 100 A application, the maximum rise of this MCCB for the determination of temperature class is 47 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-GLS3-TM-125

Description of Component:

8550/1-MCCB-GLS3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

e = Nominal current; 110 or 125.
f = Terminal size; 10, 25, or 95.
g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 600Y/347 VAC and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 63 A application, the maximum rise of this MCCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
9. In a 125 A application, the maximum rise of this MCCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
10. In a 63 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 125 A application, the maximum rise of this MCCB 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-GLN3-TM-060

Description of Component:

8550/1-MCCB—GLN3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

e = Nominal current; 015, 020, 025, 030, 035, 040, 045, 050, or 060.
f = Terminal size; 10, 25, or 95
g = Alarm or auxiliary contacts; 000 or AS7.
h = Alarm or auxiliary contacts; 000 or AS7.

Schedule of Limitations:

1. Rated 600Y/347 VAC, 480 VAC, and 250 VDC
2. The Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. The Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 30 A application, the maximum rise of this MCCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In a 60 A application, the maximum rise of this MCCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
10. In a 30 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 60 A application, the maximum rise of this MCCB for the determination of temperature class is 35 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-GLN3-TM-100

Description of Component:

8550/1-MCCB-GLN3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

e = Nominal current; 070, 080, 090, or 100.
f = Terminal size 10, 25, or 95
g = Alarm or auxiliary contacts; 000 or AS7
h = Alarm or auxiliary contacts; 000 or AS7.

Schedule of Limitations:

1. Rated 600Y/347 VAC, 480 VAC and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 50 A application, the maximum rise of this MCCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 100 A application, the maximum rise of this MCCB 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-GLN3-TM-125

Description of Component:

8550/1-MCCB-GLN3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

e = Nominal current; 110 or 125.
f = Terminal size; 10, 25, or 95
g = Alarm or auxiliary contacts; 000 or AS7.
h = Alarm or auxiliary contacts; 000 or AS7.

Schedule of Limitations:

1. Rated 600Y/347 VAC, 480 VAC, and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 63 A application, the maximum rise of this MCCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
9. In a 125 A application, the maximum rise of this MCCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
10. In a 63 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 125 A application, the maximum rise of this MCCB for the determination of temperature class is 64 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-NAA3-TM-060

Description of Component:

8550/1-MCCB-NAA3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

e = Nominal current; 015, 020, 025, 030, 035, 040, 045, 050, or 060
f = Terminal size; 10, 25, or 95..
g = Alarm or auxiliary contacts; 000, AA1, or AA2.
h = Alarm or auxiliary contacts; 000, FA1, FA2, AA1, or AA2.
i = Undervoltage release or Shunt trip; 0000, U01A, U02A, U03A, S01A, S02A, or S03A.

Schedule of Limitations:

1. Rated 480Y/277 VAC and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 24 A application, the maximum rise of this MCCB enclosure is 4 K with a limiting temperature in the final application of 110 °C.
9. In a 48 A application, the maximum rise of this MCCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
10. In a 24 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 48 A application, the maximum rise of this MCCB 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-NAA3-TM-100

Description of Component:

8550/1-MCCB-NAA3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

e = Nominal current; 070, 080, 090, or 100.
f = Terminal size; 10, 25, or 95.
g = Alarm or auxiliary contacts; 000, AA1, or AA2.
h = Alarm or auxiliary contacts; 000, FA1, FA2, AA1, or AA2.

Schedule of Limitations:

1. Rated 480Y/277 VAC and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 40 A application, the maximum rise of this MCCB enclosure is 5 K with a limiting temperature in the final application of 110 °C.
9. In a 80 A application, the maximum rise of this MCCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
10. In a 40 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 80 A application, the maximum rise of this MCCB for the determination of temperature class is 58 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-MCCB-NAA3-TM-125

Description of Component:

8550/1-MCCB-NAA3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

e = Nominal current; 110 or 125.
f = Terminal size; 10, 25, or 95..
g = Alarm or auxiliary contacts; 000, AA1, or AA2.
h = Alarm or auxiliary contacts; 000, FA1, FA2, AA1, or AA2.

Schedule of Limitations:

1. Rated 480Y/277 VAC and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 50 A application, the maximum rise of this MCCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCCB 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 105 °C for T4.
11. In a 100 A application, the maximum rise of this MCCB for the determination of temperature class is 58 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-OL-GLA3

Description of Component:

8550/1-OL-GLA3-d-96-11. Explosion Protected Overload.

d = Trip class; E10, E20, or E30.

Schedule of Limitations:

1. Rated 600 VAC
2. This Series 8550/1-OL has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. The Series 8550/1-OL shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-OL shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 OL may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 50 A application, the maximum rise of this OL enclosure is 5 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this OL enclosure is 11 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this OL 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 105 °C for T4.
11. In a 100 A application, the maximum rise of this OL 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-OL-GLS3

Description of Component:

8550/1-OL-GLS3-d-80-11. Explosion Protected Overload.

d = Trip class; E5, E10, E20, or E30.

Schedule of Limitations:

1. Rated 600 VAC
2. This Series 8550/1-OL has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. The Series 8550/1-OL shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-OL shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 OL may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 40 A application, the maximum rise of this OL enclosure is 5 K with a limiting temperature in the final application of 110 °C.
9. In a 80 A application, the maximum rise of this OL enclosure is 9 K with a limiting temperature in the final application of 110 °C.
10. In a 40 A application, the maximum rise of this OL 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 105 °C for T4.
11. In a 80 A application, the maximum rise of this OL 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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8550/1-CT-GLS3-80

Description of Component:

8550/1-CT-GLS3-80-e-f-g. Explosion Protected Contactor.

e = Terminal size; 10, 25, or 95
f = Coil voltage; U1S, U2S, or U3S.
g = Auxiliary contacts; 13, 22, or 31.

Schedule of Limitations:

1. Rated 600 VAC and 250 VDC
2. This Series 8550/1-CT has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. The Series 8550/1-CT shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-CT shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 CT may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 40 A application, the maximum rise of this CT enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In an 80 A application, the maximum rise of this CT enclosure is 14 K with a limiting temperature in the final application of 110 °C.
10. In a 40 A application, the maximum rise of this CT 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 105 °C for T4.
11. In an 80 A application, the maximum rise of this CT 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.
13. Short circuit protection shall be provided by Class J fuses rated not higher than 200 amps

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8550/1-CT-GLA3

Description of Component:

8550/1-CT-GLA3-d-e-f-g. Explosion Protected Contactor.

d = Rated current; 80 or 96.
e = Terminal size; 10, 25, or 95.
f = Coil voltage; U1A, U2A, U3A, or U4A
g = Auxiliary contacts 13, 22, or 31.

Schedule of Limitations:

1. Rated 480 VAC and 250 VDC
2. This Series 8550/1-CT has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. The Series 8550/1-CT shall be protected from exposure to ultraviolet light.
6. For Zone 1 locations, the Series 8550/1-CT shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 CT may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 50 A application, the maximum rise of this CT enclosure is 9 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this CT enclosure is 15K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this CT 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 105 °C for T4.
11. In a 100 A application, the maximum rise of this CT 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.
13. Short circuit protection shall be provided by Class J fuses rated not higher than 200 amps

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8550/1-MCS-GLS3-MO

Description of Component:

8550/1-MCS-GLS3-MO-100-f-g-h-i. Explosion Protected Molded Case Switch.

f = Terminal size; 10, 25, or 95.
g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 480 VAC.
2. This Series 8550/1-MCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
3. Field wiring conductors shall be rated not less than 75 °C.
4. The flameproof enclosure cannot be repaired.
5. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
6. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety “eb” enclosure.
7. For Class I, Division 2 locations, the connections to the Series 8550/1 MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety “eb” termination methods are permitted, but are not required.
8. In a 50 A application, the maximum rise of this MCS enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCS enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCS 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 105 °C for T4.
11. In a 100 A application, the maximum rise of this MCS 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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