

# CERTIFICATE OF CONFORMITY

## 1. HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS

2. **Certificate No:** FM18US0275X
3. **Equipment:** Series 7146/5. Explosion-Protected Disconnect.  
(Type Reference and Name) Series 8146/5. Explosion-Protected Disconnect.
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:

PR451150 dated 17<sup>th</sup> January 2019

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

FM 3600:2022, FM 3611:2018, FM 3616:2022, ANSI/UL 508:2021, ANSI/UL 60079-0:2019,  
ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2017

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

9. This certificate relates to the design, examination and testing of the products 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 product as examined, tested and Approved.

10. Equipment Ratings:

**Series 7146/5:**

Class I, Division 2, Groups A, B, C, D, T6...T4 Ta = -20 °C...-50 °C\*\* to +40 °C...+55 °C  
Type 3, 4, 4X, IP66

\*\* Disconnects with Bussmann or Littelfuse fuses are limited to -40 °C. Disconnects with Bussmann or Littelfuse fingersafe fuseholders are limited to -20 °C. Disconnects with hub entries or Mersen fuses are limited to -30 °C. See equipment details for specific ratings

**Series 8146/5:**

Class I, Zone 1, AEx db eb IIC T6...T4 Gb Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

**Certificate issued by:**



J.E. Marquedant  
VP, Manager - Electrical Systems

**29 April 2025**

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

Class I, Division 2, Groups A, B, C, D, T6...T4 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

Class II-III, Division 1, Groups E, F, G, T6...T5 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

Type 3, 4, 4X, IP66

\*\* Disconnects with hub entries are limited to -30 °C.

See equipment details for specific ratings

11. The marking of the equipment shall include:

**for both Series 7146/5 and 8146/5:**

Hazardous location ratings per Section 12

Ambient temperature rating

Manufacturer's name and address

Type number

Date Code

Electrical ratings

12. **Description of Equipment:**

**8146/5-V11-ab-c-def0-0. Disconnect.**

I / 1 / AEx db eb IIC / T6...T5 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

S / I / 2 / ABCD / T6...T5 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

DIP / II-III / 1 / EFG / T6...T5 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

Type 3, 4, 4X, IP66

a = Pole arrangement D, E, or H.

b = Switch rating 01, 02, 03, 04, 06, 07, or 08.

c = Auxiliary Contacts: 00, 01, 10, 11, 20, 21, 22, 02, 12, 30, 31, 32, 33, 03, 13, 12, 40, 41, 42, 43, 44, 04, 14, 24, 34, 50, or 60.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6.

\*\* Disconnects with hub entries (option f = 1) are limited to -30 °C.

The 8146/5-V11-x01, with a maximum current of 15 A, provides a temperature class of T6 in a maximum +40°C ambient.

### Electrical Ratings:

1. *The 8146/5-V11-x02, with a maximum current of 16 A, provides a temperature class of T6 in a maximum +40 °C ambient.*
2. *The 8146/5-V11-x02, with a maximum current of 12 A, provides a temperature class of T5 in a maximum +55 °C ambient.*
3. *The 8146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T6 in a maximum +40 °C ambient.*

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

4. The 8146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T5 in a maximum +55 °C ambient.
5. The 8146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T5 in a maximum +40 °C ambient.
6. The 8146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T5 in a maximum +55 °C ambient.
7. The 8146/5-V11-x06, with a maximum current of 63 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
8. The 8146/5-V11-x07, with a maximum current of 80 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
9. The 8146/5-V11-x08, with a maximum current of 125 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.

**8146/5-V11-ab-c-def0-0. Disconnect.**

I / 1 / AEx db eb IIC / T4 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

S / 1 / 2 / ABCD / T4 Ta = -30 °C...-50 °C\*\* to +40 °C...+55 °C

Type 3, 4, 4X, IP66

a = Pole arrangement D, E, or H.

b = Switch rating 09 or 32.

c = Auxiliary Contacts: 00, 01, 10, 11, 20, 21, 22, 02, 12, 30, 31, 32, 33, 03, 13, 12, 40, 41, 42, 43, 44, 04, 14, 24, 34, 50, or 60.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6.

\*\* Disconnects with hub entries (option f = 1) are limited to -30 °C.

**Electrical Ratings:**

1. The 8146/5-V11-x32, with a maximum current of 100 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
2. The 8146/5-V11-x09, with a maximum current of 150 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.

**7146/5-V11-ab-c-def0-0. Disconnect.**

S / 1 / 2 / ABCD / T6...T4 Ta = -20 °C...-50 °C\*\* to +40 °C...+55 °C

Type 3, 4, 4X, IP66

a = Pole arrangement D, E, or H.

b = Switch rating 01, 02, 03, 04, 06, 07, 08, 09, or 32.

c = Auxiliary Contacts: 00, 01, 10, 11, 20, 21, 22, 02, 12, 30, 31, 32, 33, 03, 13, 12, 40, 41, 42, 43, 44, 04, 14, 24, 34, 50, or 60.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6.

\*\* Disconnects with hub entries (option f = 1) are limited to -30 °C.

**Electrical Ratings:**

1. The 7146/5-V11-x01, with a maximum current of 15 A, provide a temperature class of T6 in a maximum +40 °C ambient.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

2. The 7146/5-V11-x01, with a maximum current of 12 A, provide a temperature class of T5 in a maximum +55 °C ambient.
3. The 7146/5-V11-x02, with a maximum current of 16 A, provides a temperature class of T6 in a maximum +40 °C ambient.
4. The 7146/5-V11-x02, with a maximum current of 12 A, provides a temperature class of T5 in a maximum +55 °C ambient.
5. The 7146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T6 in a maximum +40 °C ambient.
6. The 7146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T5 in a maximum +55 °C ambient.
7. The 7146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T5 in a maximum +40 °C ambient.
8. The 7146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T5 in a maximum +55 °C ambient.
9. The 7146/5-V11-x06, with a maximum current of 60 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
10. The 7146/5-V11-x07, with a maximum current of 80 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
11. The 7146/5-V11-x08, with a maximum current of 125 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
12. The 7146/5-V11-x32, with a maximum current of 100 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
13. The 7146/5-V11-x09, with a maximum current of 150 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.

### **7146/5-V11-ab-c-def0-0. Fused disconnect.**

S / I / 2 / ABCD / T4 Ta = -20 °C...-40 °C\*\* to +40 °C...+55 °C

Type 3, 4, 4X, IP66

a = Pole arrangement D, E, or H.

b = Switch rating 01, 02, 03, 04, 06, 07, 08, or 32.

c = Auxiliary Contacts: AA, AB, AC, AD, AE, BA, BB, BC, BD, BE, CA, CB, CC, CD, CE, DA, DB, DC, DD, DE, EA, EB, EC, ED, EE, FA, FB, FC, FD, FE, GA, GB, GC, GD, GE, HA, HB, HC, HD, or HE.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6.

\*\* Disconnects with Bussmann or Littelfuse fuses are limited to -40 °C. Disconnects with Bussmann or Littelfuse fingersafe fuseholders are limited to -20 °C. Disconnects with hub entries (option f = 1) or Mersen fuses are limited to -30 °C.

### **Electrical Ratings:**

1. The 7146/5-V11-x01, with a maximum current of 15 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
2. The 7146/5-V11-x02, with a maximum current of 16 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
3. The 7146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

4. The 7146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
5. The 7146/5-V11-x06, with a maximum current of 60 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
6. The 7146/5-V11-x07, with a maximum current of 80 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
7. The 7146/5-V11-x08, with a maximum current of 125 A, provide a temperature class of T4 in a maximum +40 °C ambient.
8. The 7146/5-V11-x32, with a maximum current of 100 A, provide a temperature class of T4 in a maximum +55 °C ambient.

### 13. Specific Conditions of Use:

1. The flameproof joints of the explosion-protected switches cannot be repaired.

### 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.

### 16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
17 January 2019	Original Issue.
15 May 2019	<u>Supplement 01:</u> Report Reference: RR218636 dated 15 <sup>th</sup> May 2019. Description of Changes: Update 8006 ratings to 32A. Correct existing anomalies in Model Structure Listing
22 May 2020	<u>Supplement 02:</u> Report Reference: PR457293 dated 22 <sup>nd</sup> May 2020. Rationalization of Model Structure
9 October 2020	<u>Supplement 03:</u> Report Reference: RR224887 dated 9 <sup>th</sup> October 2020 Rationalization of Model Structure to align with SAP System
29 April 2025	<u>Supplement 4:</u> Report Reference: RR245881 dated 29 April 2025. Description of the Change(s): Minor clarifications that do not affect the safety of the product.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

# ANNEX

## 7146/5-V11

### Description of Equipment:

#### 7146/5-V11-ab-c-def0-0. Disconnect.

a = Pole arrangement D, E, or H.

b = Switch rating 01, 02, 03, 04, 06, 07, 08, 09, or 32.

c = Auxiliary Contacts: 00, 01, 10, 11, 20, 21, 22, 02, 12, 30, 31, 32, 33, 03, 13, 12, 40, 41, 42, 43, 44, 04, 14, 24, 34, 50, or 60.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6

\*\*Disconnects with hub entries (option f = 1) are limited to -30 °C.

### Specific Conditions of Use:

1. The flameproof joints of the explosion-protected switches cannot be repaired. Electrical Ratings:

- The 7146/5-V11-x01, with a maximum current of 15 A, provide a temperature class of T6 in a maximum +40 °C ambient.
- The 7146/5-V11-x01, with a maximum current of 12 A, provide a temperature class of T5 in a maximum +55 °C ambient.
- The 7146/5-V11-x02, with a maximum current of 16 A, provides a temperature class of T6 in a maximum +40 °C ambient.
- The 7146/5-V11-x02, with a maximum current of 12 A, provides a temperature class of T5 in a maximum +55 °C ambient.
- The 7146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T6 in a maximum +40 °C ambient.
- The 7146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T5 in a maximum +55 °C ambient.
- The 7146/5-V11-x04 with a maximum current of 32 A, provide a temperature class of T5 in a maximum +40 °C ambient.
- The 7146/5-V11-x04 with a maximum current of 32 A, provide a temperature class of T5 in a maximum +55 °C ambient.
- The 7146/5-V11-x06, with a maximum current of 60 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x07, with a maximum current of 80 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x32, with a maximum current of 100 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x08, with a maximum current of 125 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.

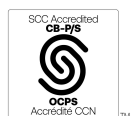
To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

- The 7146/5-V11-x09, with a maximum current of 150 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.

### 7146/5-V11

#### Description of Equipment:

##### 7146/5-V11-ab-c-def0-0. Fused disconnect.

a = Pole arrangement D, E, or H.

b = Switch rating 01, 02, 03, 04, 06, 07, 08 or 32.

e = Auxiliary Contacts: AA, AB, AC, AD, AE, BA, BB, BC, BD, DE, CA, CB, CC, CD, CE, DA, DB, BC, DD, DE, EA, EB, EC, ED, EE, FA, FB, FC, FD, FE, GA, GB, GC, GD, GE, HA, HB, HC, HD, or HE.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6

\*\* Disconnects with Bussmann or Littelfuse fuses are limited to -40 °C. Disconnects with Bussmann or Littelfuse fingersafe fuseholders are limited to -20 °C. Disconnects with hub entries (option f = 1) or Mersen fuses are limited to -30 °C.

#### Specific Conditions of Use:

1. The flameproof joints of the explosion-protected switches cannot be repaired.

#### Electrical Ratings

- The 7146/5-V11-x01, with a maximum current of 15 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x02, with a maximum current of 16 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x06, with a maximum current of 60 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x07, with a maximum current of 80 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 7146/5-V11-x32, with a maximum current of 100 A, provide a temperature class of T4 in a maximum +55 °C ambient.

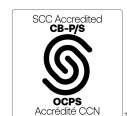
To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

- The 7146/5-V11-x08, with a maximum current of 125 A, provide a temperature class of T4 in a maximum +40 °C ambient.

### 8146/5-V11

#### Description of Equipment:

##### 8146/5-V11-ab-c-def0-0. Disconnect.

a = Pole arrangement D, E, or H.

b = Switch rating 01, 02, 03, 04, 06, 07, or 08.

c = Auxiliary Contacts: 00, 01, 10, 11, 20, 21, 22, 02, 12, 30, 31, 32, 33, 03, 13, 12, 40, 41, 42, 43, 44, 04, 14, 24, 34, 50, or 60.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6.

\*\* Disconnects with hub entries (option h = 8 f = 1) are limited to -30 °C.

#### Specific Conditions of Use:

1. The flameproof joints of the explosion-protected switches cannot be repaired.

#### Electrical Ratings

- The 8146/5-V11-x02, with a maximum current of 16 A, provides a temperature class of T6 in a maximum +40 °C ambient.
- The 8146/5-V11-x02, with a maximum current of 12 A, provides a temperature class of T5 in a maximum +55 °C ambient.
- The 8146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T6 in a maximum +40 °C ambient.
- The 8146/5-V11-x03, with a maximum current of 25 A, provide a temperature class of T5 in a maximum +55 °C ambient.
- The 8146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T5 in a maximum +40 °C ambient.
- The 8146/5-V11-x04, with a maximum current of 32 A, provide a temperature class of T5 in a maximum +55 °C ambient.
- The 8146/5-V11-x06, with a maximum current of 63 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.
- The 8146/5-V11-x07, with a maximum current of 80 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)



## SCHEDULE

US Certificate of Conformity No: FM18US0275X

- The 8146/5-V11-x08, with a maximum current of 125 A, provide a temperature class of T5 in a maximum +40 °C or +55 °C ambient.

### 8146/5-V11

#### Description of Equipment:

##### 8146/5-V11-ab-c-def0-0. Disconnect.

a = Pole arrangement D, E, or H.

b = Switch rating 09 or 32.

c = Auxiliary Contacts: 00, 01, 10, 11, 20, 21, 22, 02, 12, 30, 31, 32, 33, 03, 13, 12, 40, 41, 42, 43, 44, 04, 14, 24, 34, 50, or 60.

d = Handle Option: 0, 1, or 2.

e = Terminal Connections: 0 or 5.

f = Entries: 0, 1, 2, 3, 4, or 6.

\*\* Disconnects with hub entries (option f = 1) are limited to -30 °C.

#### Specific Conditions of Use:

1. The flameproof joints of the explosion-protected switches cannot be repaired. Electrical Ratings:

- The 8146/5-V11-x32, with a maximum current of 100 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.
- The 8146/5-V11-x09, with a maximum current of 150 A, provide a temperature class of T4 in a maximum +40 °C or +55 °C ambient.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

F 347 (Jul 24)

