

# CERTIFICATE OF CONFORMITY

## 1. HAZARDOUS LOCATION COMPONENT PER CANADIAN REQUIREMENTS

2. Certificate No: **FM19CA0049U**
3. Component:  
(Type Reference and Name) **Series 8568/MCCB  
Explosion-Protected Circuit Breaker.**
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:

3056983 dated 28<sup>th</sup> February 2016

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

CSA C22.2 No. 5:2016 Update 1-2019, CSA C22.2 No. 60079-0:2019, CSA C22.2 No. 60079-1:2016,  
CSA C22.2 No. 60079-7:2016

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 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. Component Ratings:
- Flameproof "db" enclosure with increased safety "eb" terminals for Ex db eb IIC Gb hazardous locations. Also suitable for Class I, Division 2, Groups A, B, C and D locations based on alternate permitted marking.
11. The marking of the component shall include:

### Certificate issued by:



J.E. Marquedant  
VP, Manager - Electrical Systems

11 July 2023

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, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

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

F 331 (Apr 21)



## **SCHEDULE**

Canadian Certificate Of Conformity No: FM19CA0049U



Hazardous location ratings  
Ambient temperature rating  
Manufacturer's name and address  
Type number  
Date Code  
Electrical ratings

### **12. Description of Component:**

The Explosion protected Circuit Breakers, Series 8568/MCCB are main and branch circuit protective devices for circuits feeding either resistive or inductive loads like lighting, motors, transformers, cables and other loads with high inrush current for use in hazardous locations.

Ordinary location molded case circuit breakers are built into flameproof enclosure with increased safety external terminals. The enclosure is molded in two different sizes for 1-pole or 2-pole circuit breakers.

The Series 8568/MCCB is available with rated voltages of 347 Vac and 125 Vdc for the 1 pole version and 480Y/277 Vac and 250 Vdc for the 2 pole version. Although the external enclosure is not changed, there are two sizes of ordinary location circuit breaker installed; the first being up to 60 A, and the second being up to 125 A.

#### **Model Code:**

**8568/MCCB-GS10dB-fA. Explosion Protected Circuit Breaker.**

d = Poles 1 or 2.

f = Current Rating 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, or 125.

### **13. Schedule of Limitations:**

1. The flameproof enclosure cannot be repaired.
2. For EPL Gb applications, the Explosion Protected Circuit Breaker shall be installed in an increased safety "eb" enclosure.
3. The Explosion Protected Circuit Breaker shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
4. For EPL Gb applications, the Explosion Protected Circuit Breaker shall be installed in the enclosure such that the creepage and clearance also complies with the Increased Safety spacing requirements of CSA C22.2 No. 60079-7.
5. For Class I, Division 2 locations, the connections to the Series 8568/MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety "eb" termination methods are permitted, but are not required.

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

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

### **15. Schedule Drawings**

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

### **16. Certificate History**

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, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

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

F 331 (Apr 21)



## **SCHEDULE**

Canadian Certificate Of Conformity No: FM19CA0049U



Details of the supplements to this certificate are described below:

Date	Description
28 February 2016	Original Issue.
15 October 2019	<u>Supplement 01:</u> Report Reference: RR220572 dated 15 <sup>th</sup> October 2019 Description of the Change: Update to current standards and new certificate format.
11 July 2023	<u>Supplement 2:</u> Report Reference: RR237376 dated 11 July 2023. Description of the Change(s): Conversion from Ex Equipment Certificate to Ex Component Certificate

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. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

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

F 331 (Apr 21)

