

CERTIFICATE OF CONFORMITY

1. HAZARDOUS LOCATION COMPONENT PER CANADIAN REQUIREMENTS

2. **Certificate No:** FM16CA0094U
3. **Component:** Series 8008. Explosion-Protected Switches.
(Type Reference and Name)
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:

3058331 dated 14th November 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. 14:2013, CSA C22.2 No. 60079-0:2019, CSA C22.2 No. 60079-1:2016,
CSA C22.2 No. 60079-7:2016, CSA C22.2 No. 60947-1:2022

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 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:**
See Description of the equipment in Anne
11. **The marking of the component shall include:**
See Marking of the equipment in Annex
12. **Description of Component:**

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

19 June 2024

Date

To verify the availability of the Approved product, please refer to 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
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F 331 (Apr 21)



SCHEDULE

Canadian Certificate Of Conformity No: FM16CA0094U



Member of the FM Global Group

The Series 8008 control switch and load disconnect switch is an assembly of flameproof switches with increased safety terminals, intended to be mounted in a suitable increased safety "eb" enclosure for EPL Gb applications, or a suitable general purpose enclosure for Class I / Division 2 applications.

13. Schedule of Limitations:

See Schedule of Limitations for the equipment in Annex

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

Details of the supplements to this certificate are described below:

Date	Description
14 November 2016	Original Issue
8 February 2023	Supplement 01: 3058331_RR235831 dated 8 th February 2023. Description of the Change: Update to latest standards.
19 June 2024	<u>Supplement 2:</u> Report Reference: RR241797 dated 19 June 2024. Description of the Change(s): Update to latest Approval Guide format Update to latest standards Addition of 8008/4 series switches

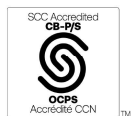
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ANNEX

8008/2 Control Switch

Component Ratings:

Ex db eb IIC Gb
CI I, Div 2, Gps ABC&D
Ta = -50 °C to +60 °C

Markings:

Ex db eb IIC Gb
CI I, Div 2, per CE Code Table 18
Ta = -50 °C to +60 °C
FM16CA0094U
Electrical ratings

Description of Component:

8008/2-c-d. Control Switch.

c-d = Design / Contact Configuration 0-02, 0-05, 0-16, 0-25, 0-27, 0-33, 0-34, 0-35, 0-38, 0-40, 0-45, 0-47, 0-48, 0-51, 0-53, 1-261, 1-260, 1-02, 1-06, 1-07, 1-08, 1-10, 1-13, 1-19, 1-24, 1-27, 1-30, 1-39, 1-45, 1-48, 1-62, 1-63, 1-70, 1-96, 1-97, 1-232, 1-114, 1-136, 1-140, 1168, 1-178, or 1-207.

Schedule of Limitations:

1. For EPL Gb applications, the Control Switch shall be installed in an Increased Safety "eb" enclosure.
2. For EPL Gb applications, the Control Switch shall be installed in the enclosure such that the creepage and clearance complies with the Increased Safety spacing requirements of CAN/CSA C22.2 No. 60079 7.
3. For Class I, Division 2 applications, the Control Switch shall be installed in an enclosure that complies with the requirements for the specific application.
4. For Class I, Division 2 applications, the Control Switch shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
5. The flameproof joints cannot be repaired.

8008/2 Load Disconnect Switch

Component Ratings:

Ex db eb IIC Gb
CI I, Div 2, Gps A, B, C, & D.
Ta = -50 °C to +60 °C

Markings:

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Ex db eb IIC Gb
CI I, Div 2, per CE Code Table 18
Ta = -50 °C to +60 °C
FM16CA0094U
Electrical ratings

Description of Component:

8008/2-c-d. Load Disconnect Switch.

c-d - 6-02, 6-03, or 6-13.

Schedule of Limitations:

1. For EPL Gb applications, the Control Switch shall be installed in an Increased Safety "eb" enclosure.
2. For EPL Gb applications, the Control Switch shall be installed in the enclosure such that the creepage and clearance complies with the Increased Safety spacing requirements of CAN/CSA C22.2 No. 60079 7.
3. For Class I, Division 2 applications, the Control Switch shall be installed in an enclosure that complies with the requirements for the specific application.
4. For Class I, Division 2 applications, the Control Switch shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
5. The flameproof joints cannot be repaired.

8008/4 Control Switch

Component Ratings:

Ex db eb IIC Gb
CI I, Div 2, Gps ABC&D
Ta = -50 °C to +60 °C

Markings:

Ex db eb IIC Gb
CI I, Div 2, per CE Code Table 18
Ta = -50 °C to +60 °C
FM16CA0094U
Electrical ratings

Description of Component:

8008/4-1d-e. Control Switch.

d-e = Design / Contact configuration. 0-02, 0-05, 0-16, 0-25, 0-27, 0-33, 0-34, 0-35, 0-38, 0-40, 0-45, 0-47, 0-48, 0-51, 0-53, 1-261, 1-260, 1-02, 1-06, 1-07, 1-08, 1-10, 1-13, 1-19, 1-24, 1-27, 1-30, 1-39, 1-45, 1-48, 1-62, 1-63, 1-70, 1-96, 1-97, 1-232, 1-114, 1-136, 1-140, 11-68, 1-178, or 1-207

Schedule of Limitations:

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1. For EPL Gb applications, the Load Switch shall be installed in an Increased Safety "eb" enclosure.
2. For EPL Gb applications, the Load Switch shall be installed in the enclosure such that the creepage and clearance complies with the Increased Safety spacing requirements of CAN/CSA C22.2 No. 60079 7.
3. For Class I, Division 2 applications, the Load Switch shall be installed in an enclosure that complies with the requirements for the specific application.
4. For Class I, Division 2 applications, the Load Switch shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
5. The flameproof joints cannot be repaired.

8008/4 Load Disconnect Switch

Component Ratings:

Ex db eb IIC Gb
CI I, Div 2, Gps ABC&D
Ta = -50 °C to +60 °C

Markings:

Ex db eb IIC Gb
CI I, Div 2, per CE Code Table 18
Ta = -50 °C to +60 °C
FM16CA0094U
Electrical ratings

Description of Component:

8008/4-1d-e. Load Disconnect Switch.

d-e = Contact Configuration 6-02, 6-03, or 6-13.

Schedule of Limitations:

1. For EPL Gb applications, the Load Switch shall be installed in an Increased Safety "eb" enclosure.
2. For EPL Gb applications, the Load Switch shall be installed in the enclosure such that the creepage and clearance complies with the Increased Safety spacing requirements of CAN/CSA C22.2 No. 60079 7.
3. For Class I, Division 2 applications, the Load Switch shall be installed in an enclosure that complies with the requirements for the specific application.
4. For Class I, Division 2 applications, the Load Switch shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
5. The flameproof joints cannot be repaired.

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