

CERTIFICATE OF CONFORMITY



1. HAZARDOUS (CLASSIFIED) LOCATION COMPONENT PER US REQUIREMENTS

2. Certificate No: FM23US0041U

3. Component:
(Type Reference and Name) Series 8549 Disconnect, Load, & Motor Switch

4. Name of Listing Company: R. STAHL Schaltgeraete 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:

3040588 dated 31st August 2012

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 (R2024), ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2021, ANSI/IEC 60529:2020, ANSI/UL 60947-4-1:2022, ANSI/UL 486E:2019

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 with Increased Safety Terminals for Class I*, Zone 1, Group IIC Gb and Suitable for Class I, Division 2, Groups A, B, C, and D

*Class rating is optional

$-50^{\circ}\text{C} \leq T_A \leq +80^{\circ}\text{C}$

$-60^{\circ}\text{C} \leq T_S \leq +100^{\circ}\text{C}$ (for explosion protection)

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

03/24/2026

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

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

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SCHEDULE

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11. The marking of the component shall include:

CI I*, Zn 1, AEx db eb IIC Gb

CI I, Div 2, Grps ABCD

*Class rating is optional

-50°C ≤ T_A ≤ +80°C

-60°C ≤ T_S ≤ +100°C (for explosion protection)

12. **Description of Component:**

8549/1-abb. Disconnect, Load, and Motor Switch.

a = 3 or 4. (number of poles)

b = Additional variants not affecting FM Approval

Rated voltages of 480 VAC, 240 VAC, 120VAC, 240 VDC, 125VDC, and 62.5 VDC with a current rating of 150 Amperes

Also rated voltage of 600 VAC with a current rating of 125 Amperes

The 240 VDC rating is with three contacts connected in series

The 125 VDC rating is with two contacts connected in series

The 62.5 VDC rating is with only one contact connected

13. **Schedule of Limitations:**

1. The switch shall be installed in an enclosure with a minimum ingress protection of IP54 in accordance with ANSI/UL 60079-0.
2. The switch shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
3. The switch shall be installed in the enclosure such that the creepage and clearance also complies with the Increased Safety spacing requirements ANSI/UL 60079-7.
4. The maximum available fault current shall not exceed 25 000 symmetrical amperes, when protected on the line side by a 200 ampere Class J fuse.
5. The maximum available fault current shall not exceed 50 000 symmetrical amperes, when protected on the line side by a 150 ampere Class J fuse.
6. The maximum available fault current shall not exceed 65 000 symmetrical amperes, when protected on the line side by a 125 ampere Class J fuse.

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**

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Details of the supplements to this certificate are described below:

Date	Description
31 August 2012	Original Issue.
2 June 2023	<u>Supplement 1:</u> Report Reference: RR236946 dated 2 June 2023. Description of the Change(s): ◦ Alternate materials of construction added ◦ Reduce lower ambient ◦ Update to latest standards ◦ US and CA Certificates created
24 March 2026	<u>Supplement 2:</u> Report Reference: PR473159 dated 24 March 2026. Description of the Change(s): Update protection and fuse rating for installation of the explosion-protected disconnect, load, and motor switch series 8549. Replaced ANSI/UL 508 standard with ANSI/UL 60947-4-1.

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