

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 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:

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 486E:2019, ANSI/UL 508:2021, ANSI/UL 60079-0:2020, ANSI/UL 60079-1:2015,
ANSI/UL 60079-7:2021

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
 $-60^{\circ}\text{C} \leq T_S \leq +100^{\circ}\text{C}$ (for explosion protection)
 $-50^{\circ}\text{C} \leq T_A \leq +80^{\circ}\text{C}$

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

2 June 2023

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, 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 www.fmaprovals.com

F 330 (Apr 21)



SCHEDULE

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11. The marking of the component shall include:

CI I, Zn 1, AEx db eb IIC Gb
CI 1, Div 2, Grps ABCD
 $-60^{\circ}\text{C} \leq T_A \leq +80^{\circ}\text{C}$

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.

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
31 August 2012	Original Issue.

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Member of the FM Global Group

Date	Description
2 June 2023	<p>Supplement 1: Report Reference: RR236946 dated 2 June 2023. Description of the Change(s):</p> <ul style="list-style-type: none">◦ Alternate materials of construction added◦ Reduce lower ambient◦ Update to latest standards◦ US and CA Certificates created

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