

# CERTIFICATE OF CONFORMITY

1. HAZARDOUS (CLASSIFIED) LOCATION COMPONENT PER US REQUIREMENTS

2. Certificate No: **FM23US0003U**
3. Component:  
(Type Reference and Name) **8544/1  
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:

3037662 dated 1<sup>st</sup> July 2011

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 508:2021, ANSI/UL 60079-0:2020, ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2021,  
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 "d" with Increased Safety "e" terminals for Class I, Zone 1, Group IIC.

11. The marking of the component shall include:

Cl I, Zn 1, AEx db eb IIC Gb  
Cl I, Div 2, Grps ABCD (US)

Certificate issued by:



22 June 2023

J.E. Marquedant  
VP, Manager - Electrical Systems

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  
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F 330 (Apr 21)



## SCHEDULE

US Certificate Of Conformity No: FM23US0003U



### 12. Description of Component:

The Series 8544/1 Load and Motor Switch (Disconnect Switch) is a flameproof switch with increased safety terminals suitable to make or break power supplies in Hazardous (Classified) Locations. The switch is a modular design of chambers for 3 to 4 poles with an optional ground terminal.

#### **8544/1-ab. Disconnect, Load, and Motor Switch.**

a = 3 or 4. (number of poles)

b = Additional variants not affecting FM Approval

### 13. Schedule of Limitations:

- 1.The switch shall be installed in an enclosure with a minimum ingress protection of IP54.
- 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 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
1 July 2011	Original Issue.
2 July 2013	<u>Supplement 1:</u> Report Reference: 797-33751-283 dated 2 July 2013. Description of the Change(s): Correction of lower rated ambient
22 June 2023	<u>Supplement 2:</u> Report Reference: RR235796 dated 22 June 2023. Description of the Change(s): <ul style="list-style-type: none"><li>- Update to latest editions of standards</li><li>- Extension of the ambient temperature range to +60°C</li><li>- Change of the trademark</li><li>- Transfer of the Routine test information in a separate schedule drawing</li><li>- Creation of a material list and a list of routine tests</li><li>- Addition of the factory location</li></ul>

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