

CERTIFICATE OF CONFORMITY




- HAZARDOUS (CLASSIFIED) LOCATION COMPONENT PER US REQUIREMENTS**
- Certificate No:** FM19US0032U
- Component:** Series 8006.
(Type Reference and Name) Explosion-Protected Control, Load, and Motor Switch.
- Name of Listing Company:** R STAHL Schaltgeräte GmbH
- Address of Listing Company:** am Bahnhof 30
74638 Waldenburg
GERMANY
- The examination and test results are recorded in confidential report number:

3044997 dated 12th May 2014
- FM Approvals LLC, certifies that the component described has been found to comply with the following Approval standards and other documents:

FM Approvals Class 3600:2018, ANSI/UL 60079-0:2019, ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2017,
ANSI/UL 508:2008
- 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.
- 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.

Certificate issued by:



J. E. Marquedant
VP, Manager, Electrical Systems

2 April 2019

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@fmapprovals.com www.fmapprovals.com

SCHEDULE



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10. Component Ratings:

Series 8006/4:

Class I, Zone 1, AEx db eb IIC Gb
Class I, Division 2, Groups A, B, C, D

11. The marking of the component shall include:

CI I, Zn 1, AEx db eb IIC Gb
CI I, Div 2, Gps ABCD
Surrounding air temperature rating
Certificate number
Manufacturer's name and address
Type number
Date Code
Electrical ratings

12. **Description of Equipment:**

The Series 8006 explosion-protected control, load, and motor switch, hereafter referred to as Series 8006 Switch, is a flameproof switch with increased safety terminals suitable to make or break power supplies in hazardous locations for resistive or inductive loads like lighting, motors, transformers, and others loads for use in hazardous locations.

8006/4-a-bb. Control, Load, and Motor Switch.

I / 1 / AEx db eb IIC Gb Ta = -50 °C to +40 °C...+55°C;
S / I / 2 / ABCD Ta = -50 °C to +40 °C...+55°C

a = contact arrangement. 007, 052, 110, 045, 082, 122, 154, 177, 003, 004, 034, 042, 056, 120, 141, 191, 192, 261, 301, 349, 026, 094, 099, 100, 115, 331, 002, 009, 0126, 020, 024, 025, 028, 035, 03423, 049, 077, 121, 123, 125, 200, 332, 040, 031, 037, 038, 060, 061, 072, 117, 134, 160, 205, 238, 256, 361, 362, 119, 330, 079, 080, 088, or 030.

b = Additional variants not affecting FM Approval

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 also complies with the Increased Safety spacing requirements ANSI/UL 60079-7.
4. The temperature classes shown following reflect those achieved in the smallest practical enclosure into which the switch can be installed. Determination of the actual temperature in the final equipment is required.
5. The 2, 3, or 4-pole switches, with a maximum current of 32 A, with a temperature class of T5, at an ambient of 40 °C or less are suitable for field wiring with 75 °C copper conductors.

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- 6. *The 5- through 8-pole switches, with a maximum current of 15 A, with a temperature class of T5 or T6, at an ambient of 40 °C or less are suitable for field wiring with 75 °C copper conductors.*
- 7. *The 9- through 12-pole switches, with a maximum current of 10 A, with a temperature class of T5 or T6, at an ambient of 40 °C or less are suitable for field wiring with 75 °C copper conductors*
- 8. *The 2, 3, or 4-pole switches, with a maximum current of 32 A, with a temperature class of T5, at an ambient of 55 °C or less are suitable for factory wiring with 75 °C copper conductors.*
- 9. *The 5- through 8-pole switches, with a maximum current of 15 A, with a temperature class of T5, at an ambient of 55 °C or less are suitable for factory wiring with 90 °C copper conductors.*
- 10. *The 9- through 12-pole switches, with a maximum current of 10 A, with a temperature class of T5, at an ambient of 55 °C or less are suitable for factory wiring with 90 °C copper conductors.*

13. Schedule of Limitations:

See Description of Equipment

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
12 th May 2014	Original Issue.
2 nd April 2019	Supplement 01: Report Reference: – PR452546 dated 2 nd April 2019. Description of the Change: Increase AC rating to 32 A. Update to latest standards.

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