



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx FMG 16.0005X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2016-02-23)

Status: **Current** Issue No: 1

Date of Issue: 2019-10-15

Applicant: **R STAHL Schaltgeraete GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Equipment: **Series 8568/MCCB Explosion Protected Circuit Breaker**

Optional accessory:

Type of Protection: **Flameproof "db"; Increased Safety "eb"**

Marking: **IECEx FMG 16.0005X**
Ex db eb IIC T6...T4 Gb

Approved for issue on behalf of the IECEx
Certification Body:

J. E Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





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Manufacturer: **R STAHL Schaltgeraete GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Additional manufacturing locations: **R STAHL, Inc.**
13259 N Promenade Blvd
Stafford TX 77477
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/FMG/ExTR16.0005/00](#)

[US/FMG/ExTR16.0005/01](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

8568/MCCB-GS10dB-fA. Explosion Protected Circuit Breaker.

d = Poles 1 or 2.

Current Rating 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, or 125

SPECIFIC CONDITIONS OF USE: YES as shown below:

Specific Conditions of Use:

1. The Explosion Protected Circuit Breaker has a normal ambient temperature range of $-30^{\circ}\text{C} \leq T_{\text{AMB}} \leq +40^{\circ}\text{C}$, resulting in temperature classes of T6 and T5, for the 60 A and 125 A frame sizes, respectively. Operation at a 60°C ambient temperature is also possible, resulting in a T4 temperature class in both cases.
2. For the 60 A frame size, in a 40°C maximum ambient, insulation of field wiring conductors shall be rated not less than 75°C
3. For the 125 A frame size, in a 40°C maximum ambient, insulation of field wiring conductors shall be rated not less than 90°C
4. In a 60°C maximum ambient, insulation of field wiring conductors shall be rated not less than 110°C .
5. The flameproof enclosure cannot be repaired.
6. The Explosion Protected Circuit Breaker shall be protected from exposure to ultraviolet light.
7. The Explosion Protected Circuit Breaker shall be installed in an increased safety "eb" enclosure.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 01: Update to latest standards.