



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX CSA 21.0033U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-09-09

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

Ex Component: Cable entry grommet type 8169/1

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased Safety eb**

Marking: Ex eb IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dorin Stochitoiu

Position:

Technical Oversight Specialist

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:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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

Additional
manufacturing
locations:

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 60079-7:2017 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 Report:

[CA/CSA/ExTR21.0036/00](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/17](#)



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Ex Component(s) covered by this certificate is described below:

The cable entry grommet type 8169/1 is suitable for mounting in the opening of flange or enclosure wall. The flange or wall can be made of either metal or polyester (see drawing 8169 0 000 005 0).

The cable entry grommet (1) is constructed in a cone shape with steps to assemble certain cable diameters. The diameter of each step reduces from bottom to top. The groove at the bottom ring is to assemble the grommet in the opening of flange or enclosure wall made of metal or polyester. The pressure ring (3) ensures the assembly of the cable entry grommet and IP protection. Each step of grommet is to cut out and open according to the intended cable size. The hose clamp (2) around the cable entry grommet is to clamp the cable and ensure the IP protection.

Stepwise clamping range:

1:22 – 27 mm, 2:27 – 33 mm, 3:33 – 39 mm, 4:39 – 45 mm, 5:45 – 51 mm, 6:51 – 60 mm

SCHEDULE OF LIMITATIONS:

1. The cable entry grommet is for fixed installations and in a horizontal or downwards position only, with adequate clamping of the cable and in accordance with the instructions.