

CERTIFICATE OF CONFORMITY

1. HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

2. **Certificate No:** **FM23CA0050X**
3. **Equipment:** **9786/12-11, 9786/15-12 Media Converters**
(Type Reference and Name)
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:

PR465946 dated 2 November 2023

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

CSA C22.2 No. 213:2017, CSA C22.2 No. 60079-0:2019, CSA C22.2 No. 60079-7:2016,
CSA C22.2 No. 60079-11:2014, CSA C22.2 No. 60079-18:2016, CSA C22.2 No. 60079-28:2016,
CSA C22.2 No. 61010-1:2016

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

9. This certificate relates to the design, examination and testing of the products 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 product as examined, tested and Approved.

10. Equipment Ratings:

See Annex.

11. The marking of the equipment shall include:

See Annex.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

2 November 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
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SCHEDULE

Canadian Certificate Of Conformity No: FM23CA0050X



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12. Description of Equipment:

General - The media converters convert electrical RS485 and RS485-IS signals into fiber optic signals and vice versa. Bus signals from PROFIBUS DP, Modbus RTU and R.STAHL ServiceBus can be transmitted via the fiber optic paths over distances of at least 2500 m. The media converters series 9786 can be interconnected via the intrinsically safe FO interfaces (op is). In this way, different fiber optic network structures (line, ring topologies, etc.) can be established.

Ratings – Refer to the Control Drawing 9786 6 031 001 1.

13. Specific Conditions of Use:

1. Connections to the devices shall be in accordance with drawing 9786 6 031 001 1, and the manufacturer's instructions.
2. The equipment shall be installed in a general-purpose enclosure meeting the requirements of ANSI/ISA 61010-1.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

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
2 November 2023	Original Issue.

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ANNEX

9786/12-11

Equipment Ratings:

Nonincendive for Class I, Division 2, Groups A, B, C and D; T4; Increased Safety, Intrinsic Safety and Encapsulation for Class I, Zone 1 with Intrinsically Safe Connections to Class 1, Zone 0 Ex eb mb ib [op is Ga], Group IIC T4 Gb; Intrinsic Safety connections to Zone 20 [Ex op is Da], Group IIIC; Intrinsic Safety connections to Zone 21 [Ex ib Db], Group IIIC; hazardous locations.

Markings:

Class I Division 2, Groups A, B, C, D; T4
Class I Zone 1 Ex eb mb ib [op is Ga] IIC T4 Gb; Entity - 9786 6 031 001 1
Zone 20 [Ex op is Da] IIIC; Entity - 9786 6 031 001 1
Zone 21 [Ex ib Db] IIIC; Entity - 9786 6 031 001 1
Ta = -40°C to +70°C

Description of Equipment:

9786/12-11 Media converter

9786/15-12

Equipment Ratings:

Nonincendive for Class I, Division 2, Groups A, B, C and D; T4; Increased Safety, Intrinsic Safety and Encapsulation for Class I, Zone 2, with Intrinsically Safe Connections to Class I Zone 0 Ex ec mc ic [op is Ga], Group IIC T4 Gc; Intrinsically Safe Connections to Zone 20 [Ex op is Da], Group IIIC; hazardous locations.

Markings:

Class I Division 2, Groups A, B, C, D; T4
Class I Zone 2 Ex ec mc ic [op is Ga] IIC T4 Gc; Entity - 9786 6 031 001 1
Zone 20 [Ex op is Da] IIIC; Entity - 9786 6 031 001 1
Ta = -40°C to +70°C

Description of Equipment:

9786/15-12 Media converter

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