



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 DEK 14.0077X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2021-02-11)
Date of Issue:	2021-08-27		Issue 3 (2019-08-02)
Applicant:	Hirschmann Automation and Control GmbH Stuttgarter Strasse 45-51 72654 Neckartenzlingen Germany		Issue 2 (2018-03-28)
Equipment:	Industrial Ethernet LAN Switch, RS20, RS22, RS30 and RS32 Series		
Optional accessory:			
Type of Protection:	Ex ec nC		Issue 1 (2017-07-20)
Marking:	Ex ec nC IIC T4 Gc		Issue 0 (2015-02-05)

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-08-27

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.
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Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **Hirschmann Automation and Control GmbH**
Stuttgarter Strasse 45-51
72654 Neckartenzlingen
Germany

Additional manufacturing locations: **Belden Hirschmann Industries (Suzhou) Co.,Ltd**
#333, Yanhu Road, Huaqiao Town, Kunshan City, Jiangsu Province
China

Belden India Pvt. Ltd.
Plot No. D-228/1 Chakan MIDC, Phase II
Village Bhamboli, Taluka- Khed
District Pune 410507
India

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 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

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:

[NL/DEK/ExTR14.0085/04](#)

Quality Assessment Reports:

[NL/DEK/QAR14.0021/04](#)

[NL/DEK/QAR19.0010/00](#)

[NL/DEK/QAR20.0013/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Industrial Ethernet LAN Switches Series RS20, RS22, RS30 and RS32, for rail mounting and intended for use in industrial automation applications, communicate via electrical or optical interfaces.

The product designation is made from combining the desired product characteristics in accordance with the Table 1, see Annex 1 to NL/DEK/ExTR14.0085/04 .

Ambient temperature range:

Series RS20, RS30

0 °C to +60 °C (option parameter S);

-40 °C to +70 °C (option parameter T and E).

Series RS22, RS32

0 °C to +50 °C (option parameter S);

-40 °C to +50 °C (option parameter T and E).

Electrical data

Series RS20, RS30

Supply:

9,6 Vdc to 60 Vdc, 2.1 A to 0.4 A or

18 Vac to 30 Vac, 1.1 A, 50/60 Hz

Series RS22, RS32

Supply:

48 Vdc, 1.7 A

Relay output: max. 60 Vdc / 30 Vac, max. 1 A (resistive load)

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

The equipment shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to IEC 60079-0, taking into account the environmental conditions under which the equipment will be used.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Assessment in accordance with the latest edition of the standards.

Annex:

[225706300-ExTR14.0085.04-Annex 1_1.pdf](#)