



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEX DEK 14.0076X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 5	Issue 4 (2021-02-11)
Date of Issue:	2021-08-26		Issue 3 (2019-11-19)
Applicant:	<b>Hirschmann Automation and Control GmbH</b> Stuttgarter Strasse 45-51 72654 Neckartenzlingen Germany		Issue 2 (2018-03-28)
Equipment:	<b>Industrial Ethernet LAN Switch, RS40 Series</b>		Issue 1 (2017-07-20)
Optional accessory:			Issue 0 (2015-02-05)
Type of Protection:	<b>Ex e, Ex n</b>		
Marking:	<b>Ex ec nC IIC T3 ... T4 Gc</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

2021-08-26

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2. This certificate is not transferable and remains the property of the issuing body.
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**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/ExTR14.0084/03](#)

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 RS40, 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/ExTR14.0084/03.

Ambient temperature range:

0 °C to +60 °C for T4 (option parameter S)

-40 °C to +60 °C for T4 (option parameter T and E)

-40 °C to +70 °C for T3 (option parameter T and E)

## **Electrical data**

Supply:

9.6 Vdc to 60 Vdc, 2.1A to 0,4 A or

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

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:**

[225734900-ExTR14.0084.03-Annex 1.pdf](#)