



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 15.0014X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2021-08-30)
Date of Issue:	2026-06-05		Issue 3 (2021-02-11)
Applicant:	Hirschmann Automation and Control GmbH Stuttgarter Strasse 45-51 72654 Neckartenzlingen Germany		Issue 2 (2019-11-19)
Equipment:	Industrial Ethernet Rail Switch Power Series RSP		Issue 1 (2017-08-21)
Optional accessory:			Issue 0 (2015-04-13)
Type of Protection:	Ex ec		
Marking:	Ex ec nC IIC T4 Gc		

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2026-06-05

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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

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

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/ExTR15.0026/03](#)

Quality Assessment Reports:

[NL/DEK/QAR14.0021/07](#)

[NL/DEK/QAR19.0010/03](#)

[NL/DEK/QAR20.0013/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The rail mounted rial Ethernet Rail Switch Power Series RSP, are intended for use in industrial automation applications, communicate via electrical or optical interfaces and differ with regard to the number of interfaces and the media type for connecting segments.

For Electrical and thermal date, refer to Annex 1.

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 60079-7, 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)

Minor constructional changes.

Annex:

[230694200 - Annex 1.pdf](#)

Annex 1 to NL/DEK/ExTR15.0026/03 and IECEx DEK 15.0014X

Table 1

Meaning	Product	Datarate	Hardware Type	-	Number of 100 Mbit/s Ports	Number of 1000 Mbit/s Ports	Uplink Port Configuration	Port Configuration	-	Temp Range	Voltage Range	Approvals / Declarations	Customization	Software Configuration	Software Level	Software Version	Maintenance Version
Item:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Example:	RSP	3	5	-	08	03	306	ZT		T	CC						

1 Product	RSP
2 Datarate	2 100 Mbit/s Ports (FE) 3 1000 Mbit/s Ports (GE)
3 Hardware Type	0 Standard 5 Enhanced Redundancy and PTP
4 -	-
5 Number of 100 Mbit/s Ports	08 8 x 100 Mbit 11 11 x 100 Mbit
6 Number of 1000 Mbit/s Ports	00 0 x 1000 Mbit 03 3 x 1000 Mbit
7 Uplink Port Configuration	3Z6 All SFP slots (100 Mbit) 3O6 All SFP slots (1000 Mbit)
8 Port Configuration	TT All Twisted Pair / RJ45 ZT 4xSFP (100Mbit), remains RJ45
9 -	-
10 Temperature Range	S 0...+60°C T -40...+70°C E -40...+70°C (with conformal coating)
11 Voltage Range	CC 24 ... 28 Vdc
12 Approvals / Declarations	Z9 CE, FCC, EN61131 XX Depending on approval

Annex 1 to NL/DEK/ExTR15.0026/03 and IECEx DEK 15.0014X

13	Customization
HS	Hirschmann Standard
XX	Depending on customization
14	Software Configuration
H	Standard
X	Depending on Software Configuration
15	Software Level
2R	Layer 2 Rail Switch Power SW
XX	Depending on Software level
16	Software Version
01.0.	Software version 1.0
XX.X.	Newest Software version
17	Maintenance Version
00	Maintenance Version 00
XX	Newest maintenance Version