



# 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 16.0064X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 3	Issue 2 (2019-11-19)
Date of Issue:	2022-09-05		Issue 1 (2018-08-17)
Applicant:	<b>Hirschmann</b> Stuttgarter Strasse 45-51 72654 Neckartenzlingen <b>Germany</b>		Issue 0 (2016-11-29)
Equipment:	<b>Industrial Ethernet Rail Switch SPIDER III PL Series</b>		
Optional accessory:			
Type of Protection:	<b>Ex ec nC</b>		
Marking:	Ex ec nC IIC T4 Gc		

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2022-09-05

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





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Manufacturer: **Hirschmann**  
Stuttgarter Strasse 45-51  
72654 Neckartenzlingen  
**Germany**

Manufacturing  
locations: **Hirschmann**  
Stuttgarter Strasse 45-51  
72654 Neckartenzlingen  
**Germany**

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

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/ExTR16.0098/02](#)

Quality Assessment Reports:

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

[NL/DEK/QAR19.0010/01](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The rail mounted Industrial Ethernet Rail Switch SPIDER III PL Series, 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.

Ambient temperature range: -40 °C to +70 °C.

## **Electrical data**

Supply:

12 ... 24 Vdc, 0.093 ... 0.72A (identification mark HH) or

12 ... 48 Vdc, 0.058 ... 0.70A and 24 Vac, 0.16 ... 0.53A (identification mark HV)

For nomenclature, 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.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Assessment in accordance with the latest edition of the standards.

**Annex:**

[225734400-ExTR160098.02-Annex 1.pdf](#)