



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 16.0064X**

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Certificate history:

Status: **Current**

Issue No: 4

[Issue 3 \(2022-09-05\)](#)

[Issue 2 \(2019-11-19\)](#)

[Issue 1 \(2018-08-17\)](#)

[Issue 0 \(2016-11-29\)](#)

Date of Issue: 2025-03-20

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

Equipment: **Industrial Ethernet Rail Switch SPIDER III PL Series**

Optional accessory:

Type of Protection: **Ex ec nC**

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)

2025-03-20

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.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

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: **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/ExTR16.0098/03](#)

Quality Assessment Reports:

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

[NL/DEK/QAR19.0010/02](#)



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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, 0.09 ... 0.72A (identification mark HH or HO) 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)

Addition of modules SPR20-8TX-EEC, SPR40-8TX-EEC, SPR20-8TX/1FM-EEC, SPR20-7TX/2FM-EEC, SPR20-7TX/2FS-EEC, SPR40-1TX/1SFP-EEC and SPR40-1TX/1SFP-EEC-HO to the range of Industrial Ethernet Rail Switch SPIDER III PL Series.

Annex:

[229104000-ExTR16.0098.03-Annex 1.pdf](#)