



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 25.0071X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-09-10

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

Equipment: **Modular Industrial Communication Equipment MICE Switch Power Series MSP30, MSP32, MSP40, MSP42 and MICE Switch Media Modules MSM20, MSM22, MSM24, MSM40, MSM42, MSM46, MSM50 and MSM60 Series.**

Optional accessory:

Type of Protection: **Ex ec**

Marking: **Ex ec 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)

2026-09-10

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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

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 60079-7:2017](#) 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/ExTR25.0070/00](#)

Quality Assessment Reports:

[NL/DEK/QAR14.0021/08](#)

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Modular Industrial Communication Equipment MICE Switch Power Series MSP30, MSP32, MSP40, MSP42 and MICE Switch Media Modules MSM20, MSM22, MSM24, MSM40, MSM42, MSM46, MSM50 and MSM60 Series.

The rail mounted modules are intended for use in industrial automation applications, communicate via electrical or optical interfaces.

Ambient temperature range:

0 °C to +60 °C for Temperature range parameter "S"

-40 °C to +70 °C for Temperature range parameters "T" and "E"

Electrical data

Supply: 18 ... 60 Vdc, 2.5 ... 0.8 A for voltage range parameter "C"
45 ... 57 Vdc, 3.8 ... 2.9 A for voltage range parameter "P"

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 60079-0, 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.

Annex:

[230516000-Annex.pdf](#)

Table 1

MSM - Product Code			
Position	Attribute	Value	Description
1 ... 3	Product	MSM	MICE Switch Media Modul
4	Datarate	2	10/100 Mbps Ports
		4	10/100/1000 Mbps Ports
		5	1000/2500 Mbps Ports
		6	10 Gbps Ports
		0	Standard
5	Hardware Typ	2	PoE or POE+ capable
		4	ID capable
		5	Enhanced Redundancy and PTP
		6	PoE or POE+ capable with external power
		-	
7 ... 8	1. Port (Medium/Connector)	T1	Twisted Pair / RJ45
		T5	Twisted Pair / M12 (100 Mbit)
		M2	Multimode / SC (100 Mbit)
		M4	Multimode / ST (100 Mbit)
		S2	Singlemode / SC (100 Mbit)
		S4	Singlemode / ST (100 Mbit)
		L2	Singlemode LH / SC (100 Mbit)
		G2	Singlemode LH / SC 200km
		C1	Combo TP RJ45 / SFP
		Q6	SFP slot
		99	not assembled
9 ... 10	2. Port (Medium/Connector)	T1	Twisted Pair / RJ45
		T5	Twisted Pair / M12 (100 Mbit)
		M2	Multimode / SC (100 Mbit)
		M4	Multimode / ST (100 Mbit)
		S2	Singlemode / SC (100 Mbit)
		S4	Singlemode / ST (100 Mbit)
		L2	Singlemode LH / SC (100 Mbit)
		G2	Singlemode LH / SC 200km
		C1	Combo TP RJ45 / SFP
		Q6	SFP slot
		99	not assembled
11 ... 12	3. Port (Medium/Connector)	T1	Twisted Pair / RJ45
		T5	Twisted Pair / M12 (100 Mbit)
		M2	Multimode / SC (100 Mbit)
		M4	Multimode / ST (100 Mbit)
		S2	Singlemode / SC (100 Mbit)
		S4	Singlemode / ST (100 Mbit)
		L2	Singlemode LH / SC (100 Mbit)
		G2	Singlemode LH / SC 200km
		C1	Combo TP RJ45 / SFP
		Q6	SFP slot
		99	not assembled
13 ... 14	4. Port (Medium/Connector)	T1	Twisted Pair / RJ45
		T5	Twisted Pair / M12 (100 Mbit)
		M2	Multimode / SC (100 Mbit)
		M4	Multimode / ST (100 Mbit)
		S2	Singlemode / SC (100 Mbit)
		S4	Singlemode / ST (100 Mbit)
		L2	Singlemode LH / SC (100 Mbit)
		G2	Singlemode LH / SC 200km
		C1	Combo TP RJ45 / SFP
		Q6	SFP slot
		99	not assembled
15	Temperaturbereich	S	Standard 0°C ... 60°C
		T	Extended -40°C ... 70°C
		E	Extended -40°C ... 70°C & Conformal Coating
16 ... 17	Zulassungen	Z9	CE; FCC; EN61131; EN60950
		XX	Any number or letters
18 ... 19	Customization	HH	Hirschmann Standard
		HX	Hirschmann Extreme Conditions
		MX	MAN-Diesel Extreme Conditions
		XX	Any number or letters
20	Hardware Konfiguration	S	FPGA configuration (S = Standard)
		M	FPGA configuration (M = FMRP)
		H	FPGA configuration (H = HSR)
		P	FPGA configuration (P = PRP)
		9	kein FPGA
21	Software Konfiguration	E	E = Entry (Without configuration)
22 ... 26	Software Version	XX.X.	Latest software version
		99.9.	No device software
	Maintenance	XX	Latest maintenance version
		99	No maintenance software

MSP - Product Code			
Position	Attribute	Value	Description
1 ... 3	Product	MSP	MICE Switch Power
4	Datarate	3	10/100 Mbps and 10/100/1000 Mbps Ports
		4	10/100/1000 Mbps and 1000/2500 Mbps Ports
5	Hardware Typ	0	Standard
		2	PoE or POE+ capable
6		-	
		00	0 * 10/100 Mbps Ethernet Ports
		08	8 * 10/100 Mbps Ethernet Ports
7 ... 8	Number of 10/100 Mbit/s Ports	16	16 * 10/100 Mbps Ethernet Ports
		24	24 * 10/100 Mbps Ethernet Ports
		04	4 * 10/100/1000 Mbps Ethernet Ports
		12	8 * 10/100/1000 Mbps and 4* 1000/2500 Mbps Ethernet Ports
9 ... 10	Number of 10/100/1000 Mbit/s Ports	20	16 * 10/100/1000 Mbps and 4* 1000/2500 Mbps Ethernet Ports
		28	24 * 10/100/1000 Mbps and 4* 1000/2500 Mbps Ethernet Ports
11	Number of 10/100/1000/10000 Mbit/s Ports	0	0 * 10/100/1000/10000 Mbps Ethernet Ports
		S	Standard 0°C ... 60°C
12	Temperature range	T	Extended -40°C ... 70°C
		E	Extended -40°C ... 70°C & Conformal Coating
13	Voltage range	C	24/36/48 VDC (18 – 60 VDC)
		P	47 – 57 VDC (POE) bzw. 53 – 57VDC (POE+)
14 ... 15	Approvals/ Declarations	Z9	CE; FCC; EN61131; EN60950
		XX	Any other numbers or letters
		99	Reserved
16 ... 17	Software Packages	UR	Unicast Routing
		MR	Unicast + Multicast Routing
		HH	Hirschmann Standard
		HX	Hirschmann Extreme Conditions
18 ... 19	Customization	MX	MAN Extreme Conditions
		PU	PUB Standard
		XX	Any other numbers or letters
		E	Entry (Hirschmann Standard configuration)
20	Software Configuration	B	Diagnostic User (BDEW)
		I	Ethernet / IP
		P	Profinet
21 ... 22	Software Level	2A	HiOS Layer 2 Advanced
		3A	HiOS Layer 3 Advanced
23 ... 27	Software version	XXX.	Software version
28 ...29	Maintenance	XX	maintenance version