

**Industrial Ethernet
IE-MC-VL-1TX-1SC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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**Industrial Fast Ethernet media converter**

- 10/100BaseT(X) auto-negotiation and auto MDI/MDI-X
- Link Fault Pass-Through (LFP)
- Warning in event of power failure and port failure
- Redundant power supply inputs
- -40 to 75 °C operating temperature (T models)
- Designed for explosive-risk areas (Class 1 Div. 2/Atex Zone 2)

General ordering data

Type	IE-MC-VL-1TX-1SC
Order No.	1241400000
Version	Media converter, Fast Ethernet, Number of ports: 1x RJ45, 1 * SC Multi-mode, IP 30, 0 °C...+60 °C
GTIN (EAN)	4050118029147
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	105 mm	Width	53.6 mm
Height	135 mm	Depth	105 mm
Weight	630 g	Net weight	765 g

EMC conformity and approvals

EMC standards	FCC Part 15, CISPR (EN55022) Class A, EN 61000-4-2 (ESE), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), Stage 3, EN 61000-4-5 (surge voltage), Stage 2, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8, EN 61000-4-11	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2, Ex nC IIC
Free fall	IEC 60068-2-32	Security	UL508, UL60950-1, CSA C22.2 No. 60950-1, EN60950-1
Ship use	DNV, GL	Shock resistance IEC 60068-2-27	Available
Vibration resistance IEC 60068-2-6	Available		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic 100BaseFX

Link budget multimode	12 dB	Max. TX multi-mode	-10 dBm
Min. TX multi-mode	-20 dBm	Receive sensitivity multi-mode	-32 dBm
System reserve multi-mode	-6 dBm	Typical distances multi-mode	5 km (50/125 µm, 800 MHz*km fibre optic cable), 4 km (62.5/125 µm, 500 MHz*km fibre optic cable)
Wavelength multi-mode	1,300 nm		

Guarantee

Time interval	5 years
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Interfaces

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	DIP switch	100BaseFX full/half-duplex mode, Port surveillance
Fibre-optic ports	100BaseFX ports (SC connector), Multimode	LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (Glasfaser-Port), FDX/COL (Fibre port)
Number of ports	1x RJ45, 1 * SC Multimode	RJ45 ports	10/100BaseT(X)

MTBF

MTBF	401,000 hrs	MTBF	MIL-HDBK-217F, GB 25°C
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Power supply

Connection type	Removable terminal block	Current consumption	0.16 A at 24 V
Input voltage	24 V DC (12 to 48 V DC), 2 redundant inputs	Reverse polarity protection	Available
Supply voltage	24 V DC, 2 redundant inputs	Turn-on current limit	1.1 A

Technical data

Housing main material	metal	Protection degree	IP 30
Type of mounting	Mounting rail		

Technology

Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX
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Classifications

eClass 6.2	19-17-01-06	eClass 7.1	19-17-01-06
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Approvals

Approvals



ROHS	Conform
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Downloads

Package insert	Hardware Installation Guide
Declaration of Conformity	K4250213.pdf
	3-D model