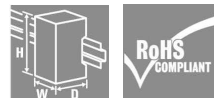


**Industrial Ethernet  
IE-MC-VL-1TX-1SCS**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



**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-1SCS
Order No.	<a href="#">1241420000</a>
Version	Media converter, Fast Ethernet, Number of ports: 1x RJ45, 1 * SC Single-mode, IP 30, 0 °C...+60 °C
GTIN (EAN)	4050118029185
Qty.	1 pc(s).

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## Technische Daten

### 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 singlemode	29 dB	Max. TX single-mode	0 dBm
Min. TX single-mode	-5 dBm	Receive sensitivity single-mode	-34 dBm
System reserve single-mode		Typical distances single-mode	40 km (9/125 µm, 3,5 PS/(nm*km) fibre optic cable)
	-3 dBm		
Wavelength single-mode	1,310 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), Singlemode	LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (Glasfaser-Port), FDX/COL (Fibre port)
Number of ports	1x RJ45, 1 * SC Single-mode	RJ45 ports	10/100BaseT(X)

### MTBF

MTBF	401,000 hrs	MTBF	MIL-HDBK-217F, GB 25°C
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Erstellungs-Datum December 20, 2013 7:44:22 AM CET

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## Technische Daten

### Order data

Number of ports	1x RJ45, 1 * SC Single-mode	Operating temperature	0 °C...+60 °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	<a href="#">Hardware Installation Guide</a>
Declaration of Conformity	<a href="#">K4250213.pdf</a>
	<a href="#">3D Modell</a>