

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

Klingenbergstraße 26

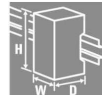
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Product image**Industrial Fast Ethernet media converter**

- 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, IP30, 0 °C...60 °C
GTIN (EAN)	4050118029147
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	53.6 mm	Width (inches)	2.11 inch
Height	135 mm	Height (inches)	5.315 inch
Depth	105 mm	Depth (inches)	4.134 inch
Net weight	765 g		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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EMC conformity and approvals

EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 GHz: 3 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 V/m, IEC 61000-4-8, IEC 61000-4-11	Safety standard	UL508, UL 60950-1, EN 60950-1
Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc	Ship use	DNV-GL
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6
Free fall	According to IEC 60068-2-32		

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 transceiver characteristics

Transmission rate	100 Mbps	
Transceiver type	Multimode	
Connector type	SC-Duplex	
Transmission distance, typ.	5 km	
Wavelength	typ.	1,300 nm
	Wavelength	TX
	min.	1,260 nm
	max.	1,360 nm
	Wavelength	RX
	min.	1,100 nm
	max.	1,600 nm
Link-budget	12 dB	

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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 (fibre-optic port), FDX/ COL (Fibre port)
Number of ports	1x RJ45, 1 * SC Multimode	RJ45 ports	10/100BaseT(X)

MTBF

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

Connection type	1 removable 6-pin terminal block	
Current consumption	Voltage	12 V DC
	Current	0.32 A
	Voltage	24 V DC
	Current	0.16 A
Overload current protection	1.1 A	
Reverse polarity protection	Available	
Voltage supply	24 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	45 V

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	DIN rail, Panel (with optional mounting kit)		

Technology

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

ETIM 6.0	EC001467	ETIM 7.0	EC001467
eClass 9.0	19-17-01-14	eClass 9.1	19-17-01-14
eClass 10.0	19-17-01-32		

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Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DNV-GL certificate ATEX certificate KC certificate EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 18/19 EN
Engineering Data	STEP
User Documentation	Hardware Installation Guide