

IE-MC-VL-1TX-1SCS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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

Version	Media converter, Fast Ethernet, Number of ports: 1x RJ45, 1 * SC Single-mode, IP30, 0 °C...60 °C
Order No.	1241420000
Type	IE-MC-VL-1TX-1SCS
GTIN (EAN)	4050118029185
Qty.	1 pc(s).

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Technical data

Dimensions and weights

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

Temperatures

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

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	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc
Free fall	According to IEC 60068-2-32	Safety standard	UL508, UL 60950-1, EN 60950-1
Ship use	DNV-GL	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

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	Singlemode
Connector type	SC-Duplex
Transmission distance, typ.	40 km

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Wavelength	typ.	1,310 nm
	Wavelength	TX
	min.	1,280 nm
	max.	1,340 nm
	Wavelength	RX
	min.	1,100 nm
	max.	1,600 nm
Link-budget	29 dB	

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 (fibre-optic port), FDX/ COL (Fibre port)
Note	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.	Number of ports	1x RJ45, 1 * SC Single-mode
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	
Supply voltage, max.	45 V DC	
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
Speed	Fast Ethernet	Type of mounting	DIN rail, Panel (with optional mounting kit)

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Technical data

Technology

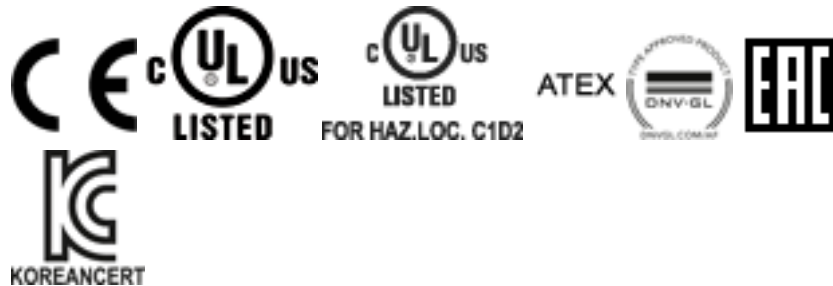
Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX
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Classifications

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	ECLASS 11.0	19-17-01-32

Approvals

Approvals



ROHS	Conform
UL File Number Search	E230683

Downloads

Approval/Certificate/Document of Conformity	DNV-GL certificate ATEX certificate KC certificate EU Declaration of Conformity
Engineering Data	STEP
User Documentation	Hardware Installation Guide