

## Industrial Ethernet IE-MC-VL-1TX-1ST

**Weidmüller Interface GmbH & Co. KG**  
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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-1ST
Order No.	<a href="#">1241410000</a>
Version	Media converter, Fast Ethernet, Number of ports: 1x RJ45, 1 * ST Multi-mode, IP30, 0 °C...60 °C
GTIN (EAN)	4050118029321
Qty.	1 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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

**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	ST-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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**Technical data**
**Guarantee**

Time interval 5 years

**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 (ST 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 * ST Multimode	RJ45 ports	10/100BaseT(X)

**MTBF**

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

**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

**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		

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DNV-GL certificate</a> <a href="#">ATEX certificate</a> <a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 9.IETH.18/19 EN</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Hardware Installation Guide</a>