

**IE-MC-VL-1TX-1SC****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 Multi-mode, IP30, 0 °C...60 °C
Order No.	<a href="#">1241400000</a>
Type	IE-MC-VL-1TX-1SC
GTIN (EAN)	4050118029147
Qty.	1 pièce(s)

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## Caractéristiques techniques

## Dimensions and weights

Depth	105 mm	Depth (inches)	4,134 inch
Height	135 mm	Height (inches)	5,315 inch
Width	53,6 mm	Width (inches)	2,11 inch
Net weight	765 g		

## Temperatures

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

## 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	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	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	
Receive power	min.	-32 dBm	
	max.	-3 dBm	

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Transmission power	min.	-20 dBm
	max.	-10 dBm
Link-budget	12 dB	

### Garantee

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	Fibre-optic ports	100BaseFX ports (SC connector), Multimode
Function DIP switch	100BaseFX full-/half-duplex mode, Port surveillance	LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (fibre-optic port), FDX/ COL (Fibre port)
Number of ports	1x RJ45, 1 * SC Multi-mode	RJ45 ports	10/100BaseT(X)

### MTBF

MTBF	According to Standard	MIL-HDBK-217F, GB 25°C
	Operating time (hours), min.	401 000 h

### Power supply

Connection type	1 removable 6-pin terminal block		
Current consumption	Voltage	12 V	
	Current	0,32 A	
	Voltage	24 V	
	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
Speed	Fast Ethernet	Type of mounting	DIN rail

### 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
ETIM 8.0	EC001467	ETIM 9.0	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
ECLASS 12.0	19-17-01-32	ECLASS 13.0	19-17-01-14
ECLASS 14.0	19-17-01-32		

### Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9229992a-00b9-4096-8962-200a7f33e289

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E230683
Certificate no. (cULusEX)	E223527

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">DNV certificate</a> <a href="#">ATEX certificate</a> <a href="#">KC certificate</a> <a href="#">EU Declaration of Conformity</a> <a href="#">UK Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Hardware Installation Guide</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	