

**IE-MC-VLT-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, -40 °C...75 °C
Order No.	<a href="#">1286880000</a>
Type	IE-MC-VLT-1TX-1SC
GTIN (EAN)	4050118077599
Qty.	1 items

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E230683
Certificate no. (cULusEX)	E223527

Dimensions and weights

Depth	105 mm	Depth (inches)	4.1338 inch
Height	135 mm	Height (inches)	5.3149 inch
Width	53.6 mm	Width (inches)	2.1102 inch
Net weight	765 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	b14ea46f-06a9-4191-9f88-14cc6c04a8a8

EMC conformity and approvals

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
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	Vibration	according to IEC 60068-2-6
Shock	according to IEC 60068-2-27	Ship use	DNV
Safety standard	UL508, UL 60950-1, EN 60950-1		

Environmental conditions

Operating temperature, max.	75 °C	Operating temperature, min.	-40 °C
Humidity	5 to 95 % (non-condensing)	Storage temperature, max.	85 °C

## IE-MC-VLT-1TX-1SC

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

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.	1300 nm
	Wavelength	TX
	min.	1260 nm
	max.	1360 nm
	Wavelength	RX
	min.	1100 nm
Receive power	min.	-32 dBm
	max.	-3 dBm
Transmission power	min.	-20 dBm
	max.	-10 dBm
Link-budget	12 dB	

## Guarantee

Time interval 5 years

## Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Multimode	RJ45 ports	10/100BaseT(X)
Function DIP switch	100BaseFX full-/half-duplex mode, Port surveillance	Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC
Number of ports	1x RJ45, 1 * SC Multimode	LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (fibre-optic port), FDX/ COL (Fibre port)

## MTBF

MTBF	According to Standard	MIL-HDBK-217F, GB 25°C
	Operating time (hours), min.	401000 h

## Power supply

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

**IE-MC-VLT-1TX-1SC**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Technical data**

**Technical data**

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

**Technology**

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

**Classifications**

ETIM 8.0	EC001467	ETIM 9.0	EC001467
ETIM 10.0	EC001467	ECLASS 14.0	19-17-01-32
ECLASS 15.0	19-17-01-32		