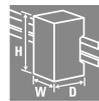


## IE-MC-VL-1TX-1SCS

**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.	<a href="#">1241420000</a>
Type	IE-MC-VL-1TX-1SCS
GTIN (EAN)	4050118029185
Qty.	1 items

**IE-MC-VL-1TX-1SCS**

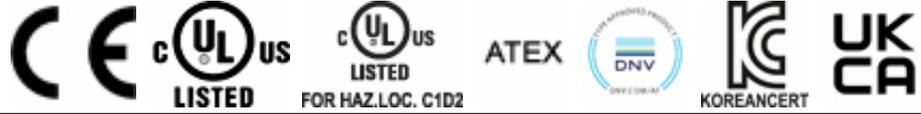
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**Technical data**

**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	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

**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

**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		

## IE-MC-VL-1TX-1SCS

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## Technical data

## Environmental conditions

Operating temperature, max.	60 °C	Operating temperature, min.	0 °C
Humidity	5 to 95 % (non-condensing)	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		
Wavelength	typ.	1310 nm	
	Wavelength	TX	
	min.	1280 nm	
	max.	1340 nm	
	Wavelength	RX	
	min.	1100 nm	
Receive power	min.	-34 dBm	
	max.	-3 dBm	
Transmission power	min.	-5 dBm	
	max.	0 dBm	
Link-budget	29 dB		
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.		

## Guarantee

Time interval	5 years
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## Interfaces

Fibre-optic ports	100BaseFX ports (SC connector), Singlemode	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 Single-mode	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

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**Technical data**

Current	0.32 A
Voltage	24 V
Current	0.16 A

**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
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**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		

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## Accessories

**Configuration backup and restore module (for use with switches of Value- and PremiumLine such as Basic- and ValueLine WLAN devices)**


- Module for saving and loading a device configuration
- Reduced system downtime by simple reconfiguration if equipment is swapped over
  - Automatic loading of the saved configuration possible after device restart
  - Compact and robust design
  - Useable with all Weidmüller managed switches and industrial WLAN devices

## General ordering data

Type	EBR-MODULE RS232	Version	
Order No.	<a href="#">1241430000</a>	Configuration module, IP40, 0 °C...60 °C	
GTIN (EAN)	4050118029086		
Qty.	1 ST		

## Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



## General ordering data

Type	RM-KIT	Version	
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting	
GTIN (EAN)	4050118029154		
Qty.	1 ST		

## Ethernet



- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

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## Accessories

### General ordering data

Type	VDATA CAT6	Version
Order No.	<a href="#">1348590000</a>	Terminal rail fixing, Surge protection, Cat.6, PoE, 802.3 bt at Type 1,
GTIN (EAN)	4050118153002	802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4
Qty.	1 ST	