IE-MCT-1RS232/485-1ST

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

www.weidmueller.com

Product image



Serial/fibre-optic converter

Media converter for implementing serial, copper-based interfaces on fibre-optic cables and vice versa. Facilitates communication between terminal devices with type RS232/422/485 serial interface over a distance of up to 5 km.

- Ring and point-to-point transmission modes
- Extension of the RS232/422/485 transmission to up to 5 km
- Supports baud rates of 50 bps to 921.6 Kbps
- Expanded temperature range of -40 to 75°C
- Compact design

General ordering data

Version	Serial/fibre-optic converter, 1 x terminal block for RS232/422/485, 1 x ST multimode, IP30, -40 °C...75 °C
Order No.	1362950000
Type	IE-MCT-1RS232/485-1ST
GTIN (EAN)	4050118165203
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-06-01

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Technical data

Dimensions and weights

Depth	22 mm	Depth (inches)	0.866 inch
Height	100 mm	Height (inches)	3.937 inch
Width	90.2 mm	Width (inches)	3.551 inch
Net weight	130 g		

Temperatures

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

Serial interface

Baud rate	50 bit/s to 921.6 kbit/s	Connection type	1 removable 7-pole terminal block
Interface standards	RS-232/422/485	RS485 data direction control	ADDC® (automatic data direction control)
Serial cable protection	15 KV ESD protection for all signals		

fibre-optic interface

Receive sensitivity	-20 dBm	Transmission mode: "Point-to-point"	Half-duplex, Full-duplex
Transmission mode: "Ring"	Half-duplex	Transmit power	> - 5 dBM
Type of connection	ST connection, Multimode	Typical distances	5 km (50/125, 62.5/125, 100/140 µm multimode cable)
Wave length	850 nm		

EMC conformity and approvals

EMC standards	FCC Part 15 Class B, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 2, EN 61000-4-4 (EFT), Stage 2, EN 61000-4-5 (Surge), Stage 3, EN 61000-4-6 (CS), EN 61000-4-8, Stage 1, cULus	Safety standard	UL 60950-1

Environmental conditions

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

Guarantee

Time interval	5 years

MTBF

MTBF	According to Standard	Telcordia (Bellcore), GB
	Operating time (hours), min.	780,480 h

Creation date December 1, 2023 12:28:58 PM CET

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Power supply

Connection type	1 removable 3-pole terminal block	
Current consumption	Voltage	12 V
	Current	140 mA
	Voltage	24 V
	Current	67.7 mA
	Voltage	48 V
	Current	28.7 mA
Overload current protection	1.1 A	
Reverse polarity protection	Available	
Supply line protection	2 KV Burst (EFT), EN61000-4-4, 2 KV Surge, EN61000-4-5	
Voltage supply	24 V DC, 1 single input	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	48 V

Serial signals

RS232	Tx, Rx, GND	RS422	TxD+, TxD-, RxD+, RxD-, GND
RS485 2-wire	Data+, Data-, GND	RS485 4-wire	TxD+, TxD-, RxD+, RxD-, GND

Technical data

Housing main material	Aluminum	Protection degree	IP30
Type of mounting	Mounting plate, Wall mounting, when screwed in, TS 35, (with optional mounting kit IE-DINRAILMOUNT-KIT 1504430000)		

Classifications

ETIM 6.0	EC000310	ETIM 7.0	EC000310
ETIM 8.0	EC000310	ETIM 9.0	EC000310
ECLASS 9.0	19-17-01-14	ECLASS 9.1	19-17-01-14
ECLASS 10.0	19-17-04-11	ECLASS 11.0	19-17-04-11
ECLASS 12.0	19-17-04-11	ECLASS 13.0	19170411

Environmental Product Compliance

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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format
Brochures	

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Accessories

Mounting kit for DIN rail mounting



Mounting kit for alternative fixing of Weidmüller serial/ fibre-optic cable converters (Article 1344760000 and 1362950000) to the DIN rail.

General ordering data

Type	IE-DINRAILMOUNT-KIT	Version	
Order No.	1504430000	Kit for DIN-rail mounting	
GTIN (EAN)	4050118312263		
Qty.	1 pc(s).		