

IE-MCT-1RS232/485-1SC

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 SC multimode, IP30, -40 °C...75 °C
Order No.	1344760000
Type	IE-MCT-1RS232/485-1SC
GTIN (EAN)	4050118146837
Qty.	1 Stück
Delivery status	This article will no longer be available in the future.
Available until	2022-06-01

Erstellungs-Datum May 25, 2023 10:46:33 AM CEST

IE-MCT-1RS232/485-1SC

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

www.weidmueller.com

Technische Daten

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
Operating temperature, min.	-40 °C	Operating temperature, max.	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	SC 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	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

Erstellungs-Datum May 25, 2023 10:46:33 AM CEST

IE-MCT-1RS232/485-1SC

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

www.weidmueller.com

Technische Daten

Power supply

Connection type	1 removable 3-pole terminal block		
Current consumption	Voltage	12 V DC	
	Current	140 mA	
	Voltage	24 V DC	
	Current	67.7 mA	
	Voltage	48 V DC	
	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	Aluminium	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	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

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

IE-MCT-1RS232/485-1SC

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

www.weidmueller.com

Technische Daten

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	