

Industrial Ethernet IE-MCT-1RS232/485-1SC

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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

Type	IE-MCT-1RS232/485-1SC
Order No.	1344760000
Version	Serial/fibre-optic converter, 1 x terminal block for RS232/422/485, 1 x SC multimode, IP30, -40 °C... 75 °C
GTIN (EAN)	4050118146837
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	90.2 mm	Width (inches)	3.551 inch
Height	100 mm	Height (inches)	3.937 inch
Depth	22 mm	Depth (inches)	0.866 inch
Weight	320 g	Net weight	130 g

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Serial interface

Baud rate	50 bit/s to 921.6 kbit/s	Connection type	1 removable 3-pole terminal block
Interface standards	RS-232/422/485	RS-485 data direction control	ADDC® (automatic data direction control)

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	Security	UL60950-1
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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
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MTBF

MTBF	780,480 hrs	MTBF	Telcordia (Bellcore), GB
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Technical data**Power supply**

Connection type	1 removable 3-pole terminal block	Current consumption	140 mA @ 12 V DC
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	Supply voltage, max	48 V DC
Supply voltage, min.	12 V DC	Voltage supply	24 V DC

Serial signals

RS-232	Tx, Rx, GND	RS-422	TxD+, TxD-, RxD+, RxD-, GND
RS-485 2-wire	Data+, Data-, GND	RS-485 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	eClass 6.2	19-17-01-14
eClass 9.0	19-17-01-14	eClass 9.1	19-17-01-14

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Brochure/Catalogue	CAT 9 IETH 15/16 EN
User Documentation	Hardware Installation Guide