

PSM-ME-REP LON485-P


Order No.: 2708041



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Repeater, for potential isolation and increasing the range in RS-485 2-wire LON bus systems, 3-way isolation, rail-mountable



Commercial data	
GTIN (EAN)	 4 017918 907570
sales group	H611
Pack	1 pcs.
Customs tariff	85176200

Product notes

WEEE/RoHS-compliant since:
07/10/2006



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Technical data	
Serial interface	
Interface 1	RS-485 interface in acc. with EIA/TIA-485, DIN 66259-4
Operating mode	Semi-duplex
File format/coding	Manchester, slip-tolerant
Data direction switching	Automatic control

Termination resistor	120 Ω
Transmission medium	2-wire twisted pair, shielded
Transmission length	(depends on transmission speed, bus system and cable type)
Connection method	Pluggable screw connection
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.	14
Serial transmission speed	39.1/ 78.1/ 500/ 625/ 1000/ 1250/ 2000 kbps
Interface 2	RS-485 interface in acc. with EIA/TIA-485, DIN 66259-4
Operating mode	Semi-duplex
File format/coding	Manchester, slip-tolerant
Data direction switching	Automatic control
Termination resistor	120 Ω
Transmission medium	2-wire twisted pair, shielded
Transmission length	(depends on transmission speed, bus system and cable type)
Connection method	Pluggable screw connection
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.	14
Serial transmission speed	39.1/ 78.1/ 500/ 625/ 1000/ 1250/ 2000 kbps

Power supply

Nominal supply voltage	24 V AC/DC \pm 20 %
Typical current consumption	90 mA (24 V DC)

General data

Transmission channels	2 (1/1), RxD, TxD, full duplex
Bit distortion	< 1.5 % (applies to device: Distortions caused by system-specific cables are not accounted for)
Width	22.5 mm
Height	99 mm
Depth	114.5 mm
Ambient temperature (operation)	0 °C ... 55 °C
Electrical isolation	(VCC // RS-485 (A) // RS-485 (B))
Test voltage data interfaces	2 kV AC

Test voltage data interface/power supply	2 kV AC
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 50 081-1
Noise immunity	EN 61000-6-2:2005
Net weight	130 g
Housing material	PA
Color	green

Certificates / Approvals

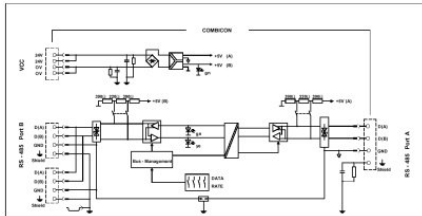


Certification

CUL, UL

Diagrams/Drawings

Circuit diagram



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