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► Extract from the online catalog



Modular repeater for electrical isolation and range increase in RS-485 2-wire bus systems up to 500 kbps, 4-way isolation, rail-mountable, supply 24 V DC

Order No.	2313096
Ord designation	PSI-REP-RS485W2
EAN	4046356098816
Pack	1 Pcs.
Customs tariff	85176200
Weight/Piece	0.2269 KG
Catalog page information	Page 427 (IF-2007)

► Technical data

Serial interface

Interface 1	In acc. with EIA/TIA-485, DIN 66259-4/RS-485 2-conductor
File format/coding	UART (11/10 bit switchable; NRZ)
Data direction switching	Automatic control, min. station response time 2 bits
Termination resistor	180 Ω can be connected; pull up/down 390 Ω
Transmission medium	2-wire twisted pair, shielded
Transmission length	Max. 1200 m (depends on transmission rate, bus system and cable type)
Type of connection	Pluggable COMBICON screw terminal block

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
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.	12
Serial transmission rate	Can be set manually: 4,8/9,6/19,2/38,4/57,6/75/93,75/115,2/136/187,5/375/50 0 Kbit/s

Power supply

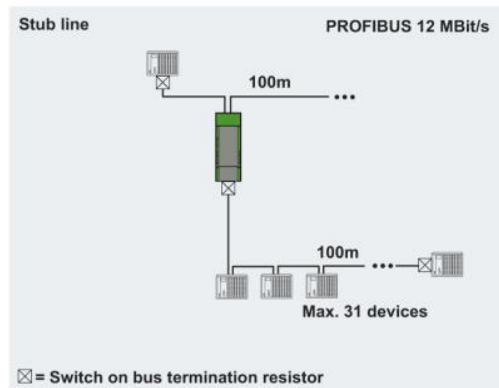
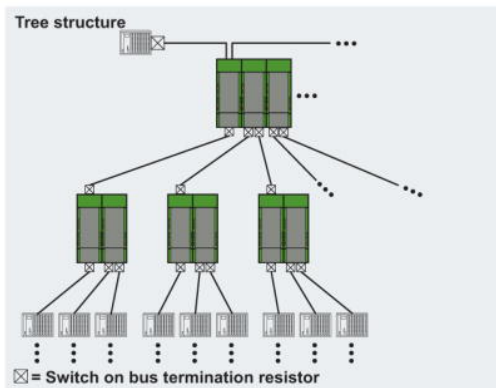
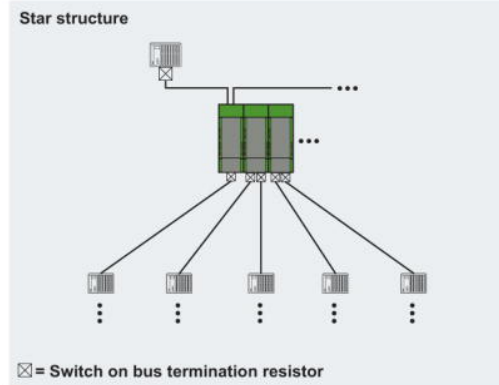
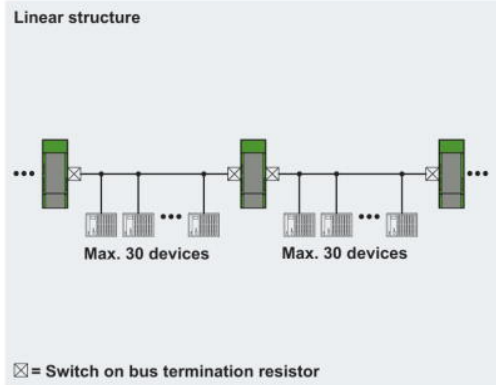
Nominal supply voltage	24 V DC \pm 20 %
Typical current consumption	75 mA

General data

Transmission channels	2 (1/1), TD, RD, half duplex
Bit delay	< 1 Bit
Bit distortion, input	Max. \pm 35 %
Bit distortion output	< 6.25 %
Length	99 mm
Height	105 mm
Width	35 mm
Ambient temperature (operation)	-20 °C ... 60 °C
Electrical isolation	RS-485 (A) // RS-485 (B) // Supply // DIN rail connector
Test voltage data interfaces	1.5 kV
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
Emitted interference	EN 55011
Immunity to interference	EN 61000-4-2
Housing material	PA V0, color green
Color	green

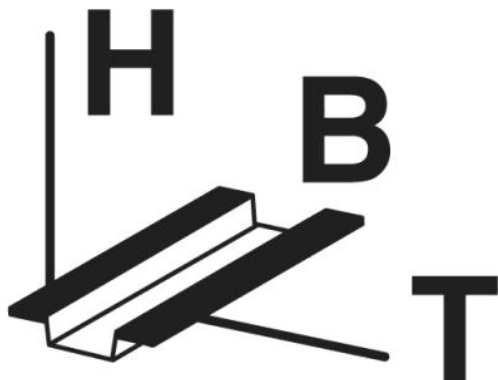
► Drawings

Application drawing



Block diagram

Logo



► Accessories

Item	Designation	Description
General		
2709561	ME 17,5 TBUS 1,5/ 5-ST-3,81 GN	Bus connector, gold-plated contacts, for mounting on DIN rail, 5-pos.
2866983	MINI-SYS-PS-100- 240AC/24DC/1.5	Power supply unit, primary switched-mode, narrow design, output: 24 V DC / 1.5 A

► Address

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