

Interface converter - PSM-EG-RS232/RS422-P/4K - 2761266

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Interface converter, for converting RS-232 (V.24) to RS-422 (V.11), with electrical isolation, 4 channels, rail-mountable

Why buy this product

- ✓ RS-422 4-wire point-to-point operation
- ✓ Transmission speed of up to 64 kbps
- ✓ High-quality 3-way isolation between power supply, RS-232, and RS-422 for safe electrical isolation of potentials with 2.5 kV
- ✓ Integrated surge protection with transient discharge to the DIN rail
- ✓ As an alternative, data cables can be connected via D-SUB plugs or plug-in screw terminal blocks



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 064631
Weight per Piece (excluding packing)	250.08 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	45 mm
Height	75 mm
Depth	110 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 50 °C
Noise immunity	EN 50 082-2

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Technical data

General

Transmission channels	4 (2/2), RxD, TxD, RTS, CTS; full duplex
Bit delay	$\leq 3 \mu\text{s}$
Bit distortion	$\leq 5 \%$
Electrical isolation	VCC // V.24 (RS-232) // RS-422
Test voltage data interfaces	2.5 kV AC
Test voltage data interface/power supply	2.5 kV AC
	2.5 kV
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 50 081-1
Net weight	250.08 g
Housing material	ABS
Color	green
MTBF	1045 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))
	223 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day))
UL, USA / Canada	cUL 508 Recognized

Power supply

Supply voltage range	19.2 V DC ... 28.8 V DC
Typical current consumption	130 mA (24 V DC)

Serial interface

Interface 1	V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1
Connection method	D-SUB-9 plug
	Pluggable screw connection
Transmission length	15 m (twisted pair)
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	13
Serial transmission speed	64 kbps
Interface 2	RS-422 interface in acc. with ITU-T V.11, EIA/TIA-422, DIN 66348-1
Connection method	D-SUB-15 male connector
	Pluggable screw connection
Transmission length	1200 m (twisted pair)
Termination resistor	510 Ω
	150 Ω
	510 Ω (Can be connected)
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

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Technical data

Serial interface

Conductor cross section AWG/kcmil max	13
Serial transmission speed	64 kbps

Classifications

eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208

ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	43201553

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Interface converter - PSM-EG-RS232/RS422-P/4K - 2761266

Approvals

UL Recognized 

cUL Recognized 

EAC

cULus Recognized 

Accessories

Accessories

Adapter cable

Data cable - PSM-KA 9 SUB 25/BB/2METER - 2761059



RS-232 cable, 9-pos. D-SUB socket 25-pos on D-SUB socket

Data cable - PSM-KA9SUB9/BB/2METER - 2799474



RS-232 cable, 9-pos. D-SUB socket on 9-pos. D-SUB socket, 9-wire, 1:1

Data plug

D-SUB bus connector - SUBCON 9/M-SH - 2761509



D-SUB connector, 9-pos., male connector, one cable entry < 35°, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block

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Accessories

Interface converter

Interface converter - PSM-ME-RS232/RS485-P - 2744416



Interface converter, for converting RS-232 (V.24) to RS-422 (V.11) and RS-485, with electrical isolation, 2 channels, rail-mountable

Mounting material

Components of electronic housing - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

Screwdriver tools

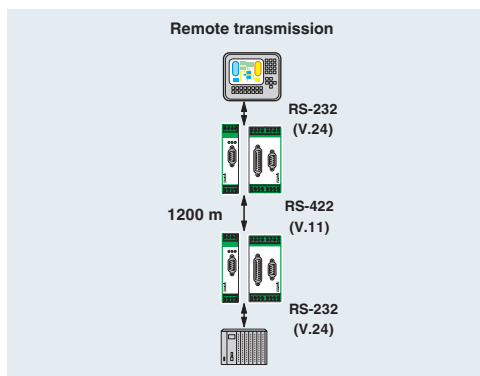
Screwdriver - SZF 1-0,6X3,5 - 1204517



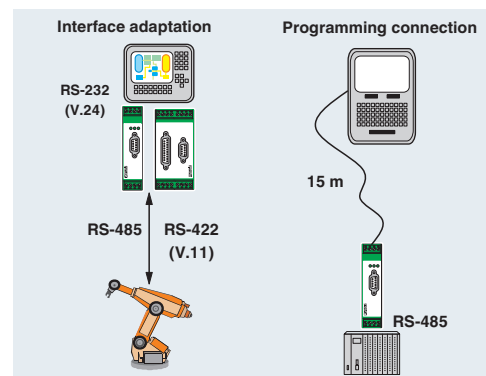
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Drawings

Application drawing

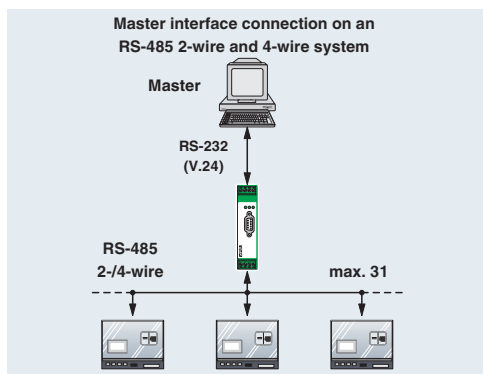


Application drawing

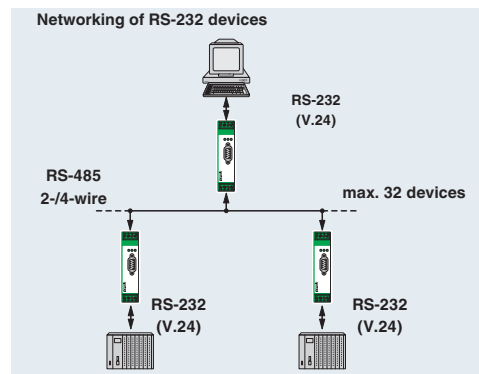


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Application drawing



Application drawing



Circuit diagram

