

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

Your advantages

- 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
GTIN	4017918064631
Weight per Piece (excluding packing)	250.080 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
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Technical data

Ambient conditions

Noise immunity	EN 50 082-2
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General

Transmission channels	4 (2/2), RxD, TxD, RTS, CTS; full duplex
Bit delay	≤ 3 μs
Bit distortion	≤ 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 2014/30/EU
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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG 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)

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Technical data

Serial interface

Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	13
Serial transmission speed	64 kbps

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 50 081-1
Noise immunity	EN 50 082-2
Connection in acc. with standard	CUL
UL, USA/Canada	cUL 508 Recognized

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	19179290
eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242200
eCl@ss 6.0	19179200
eCl@ss 7.0	19179290
eCl@ss 8.0	19179290
eCl@ss 9.0	19179290

ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310
ETIM 6.0	EC000310
ETIM 7.0	EC000310

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008

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Classifications

UNSPSC

UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	43222604

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC		EAC-Zulassung
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EAC		RU *- DE.A*30.B.01735
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cULus Recognized	
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Accessories

Accessories

Adapter cable

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

Accessories

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

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

Shield connection clamp - 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

