

# Interface converter - PSM-ME-RS232/RS232-P - 2744461

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Interface converter, for the isolation of RS-232 (V.24) interfaces, 4 channels, rail-mountable

## Product Features

- Mounting on standard EN DIN rails
- In the case of variable cable lengths, the RS-232 connection on the field side can be established conveniently using plug-in screw terminal blocks
- High-quality 3-way isolation up to 2 kV (VCC // RS-232 // RS-232)
- Integrated surge protection with transient discharge to the DIN rail
- Maximum transmission speed of 115.2 kbps
- Transmission of TxD/RxD data channels and RTS/CTS control lines
- 24 V DC or AC power supply suitable for the control cabinet
- Active data transmission indicated by separate data indicators for the transmit and receive channels



## Key commercial data

package_quantity	1
GTIN	4017918188795

## Technical data

Note:

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

Width	22.5 mm
Height	99 mm
Depth	118.6 mm

### Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (no condensation)
Altitude	5000 m (For restrictions see manufacturer's declaration)
Degree of protection	IP20
Noise immunity	EN 61000-6-2:2005

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## Technical data

### Serial interface

<b>Interface 1</b>	V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1
<b>Connection method</b>	D-SUB-9 male connector
<b>Transmission length</b>	15 m (twisted pair)
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	13
<b>Serial transmission speed</b>	115.2 kbps
<b>Interface 2</b>	V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1
<b>Connection method</b>	Pluggable screw connection
<b>Transmission length</b>	15 m (twisted pair)
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	13

### Power supply

<b>Nominal supply voltage</b>	24 V AC/DC ±20 %
<b>Supply voltage range</b>	19.2 V AC/DC ... 28.8 V AC/DC
<b>Typical current consumption</b>	40 mA (24 V DC)

### General

<b>Transmission channels</b>	4 (2/2), Rx/D, Tx/D, RTS, CTS; full duplex
<b>Bit delay</b>	< 3 µs
<b>Bit distortion</b>	< 5 %
<b>Electrical isolation</b>	(VCC // V.24 (RS-232) (A) // V.24 (RS-232) (B))
<b>Test voltage data interfaces</b>	2 kV AC
<b>Test voltage data interface/power supply</b>	2 kV AC
<b>Test voltage data interface/power supply</b>	2 kV
<b>Electromagnetic compatibility</b>	Conformance with EMC Directive 2004/108/EC
<b>Noise emission</b>	EN 61000-6-3
<b>Net weight</b>	110 g
<b>Housing material</b>	PA
<b>Color</b>	green
<b>MTBF</b>	2263 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))
<b>MTBF</b>	438 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day))
<b>Conformance</b>	CE-compliant
<b>UL, USA / Canada</b>	508 recognized
<b>UL, USA / Canada</b>	Class I, Div. 2, Groups A, B, C, D

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## 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
eCl@ss 8.0	27242208

### ETIM

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

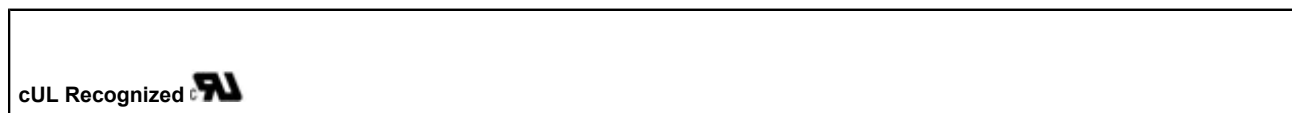
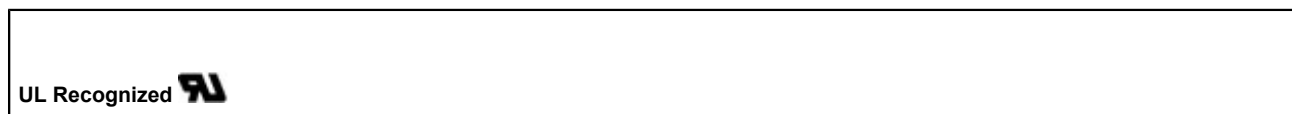
### UNSPSC

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

## approvals

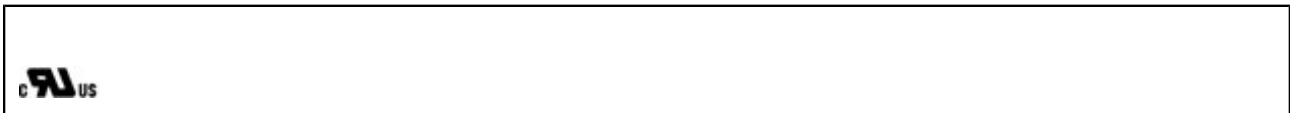
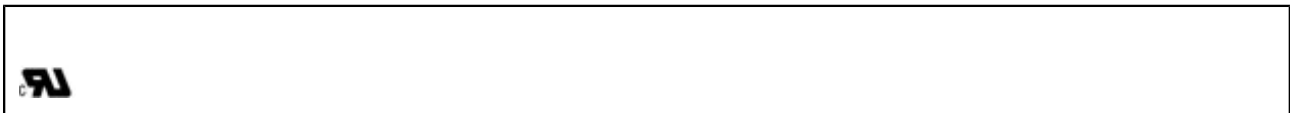
UL Recognized / cUL Recognized / UL Listed / cUL Listed / cULus Recognized / cULus Listed / UL Recognized / cUL Recognized / GOST / DNV / cULus Recognized /

### Approval details



# Interface converter - PSM-ME-RS232/RS232-P - 2744461

approvals



accessories

## Adapter cable

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



PSM-KA9SUB9/BB/2METER - 2799474



## Interface converter - PSM-ME-RS232/RS232-P - 2744461

accessories

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### Mounting material

ME-SAS - 2853899



### Screwdriver tools

SZF 1-0,6X3,5 - 1204517

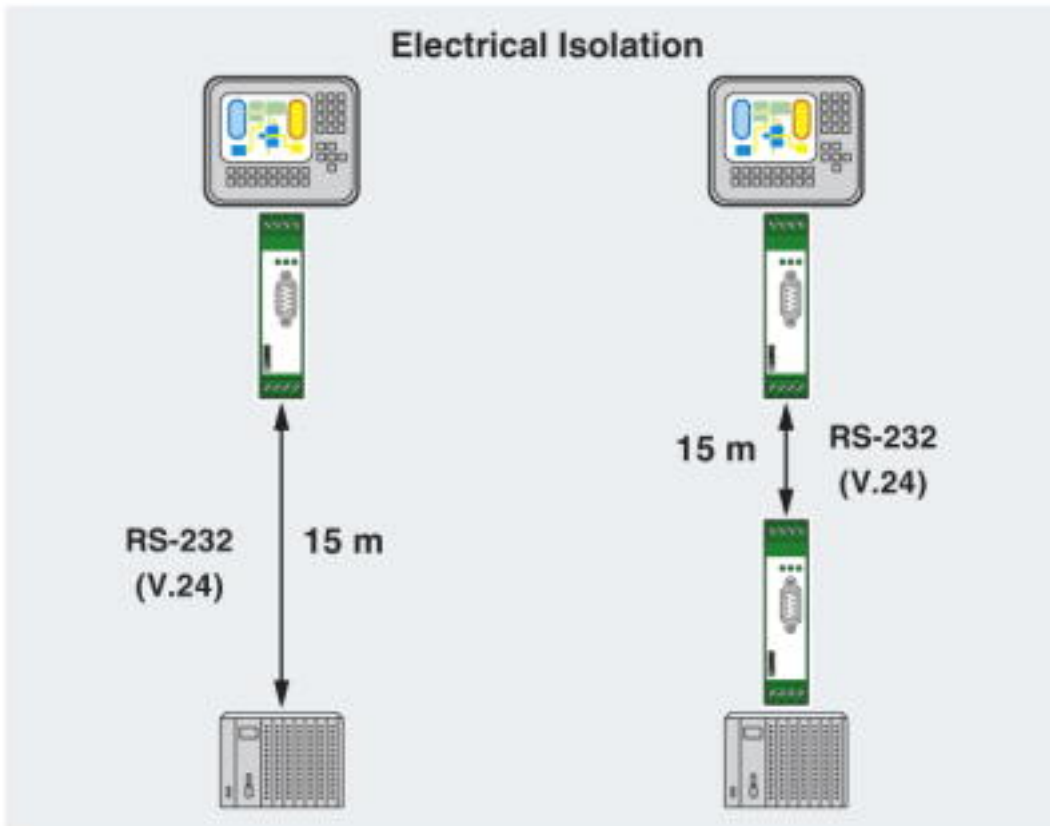


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Drawings

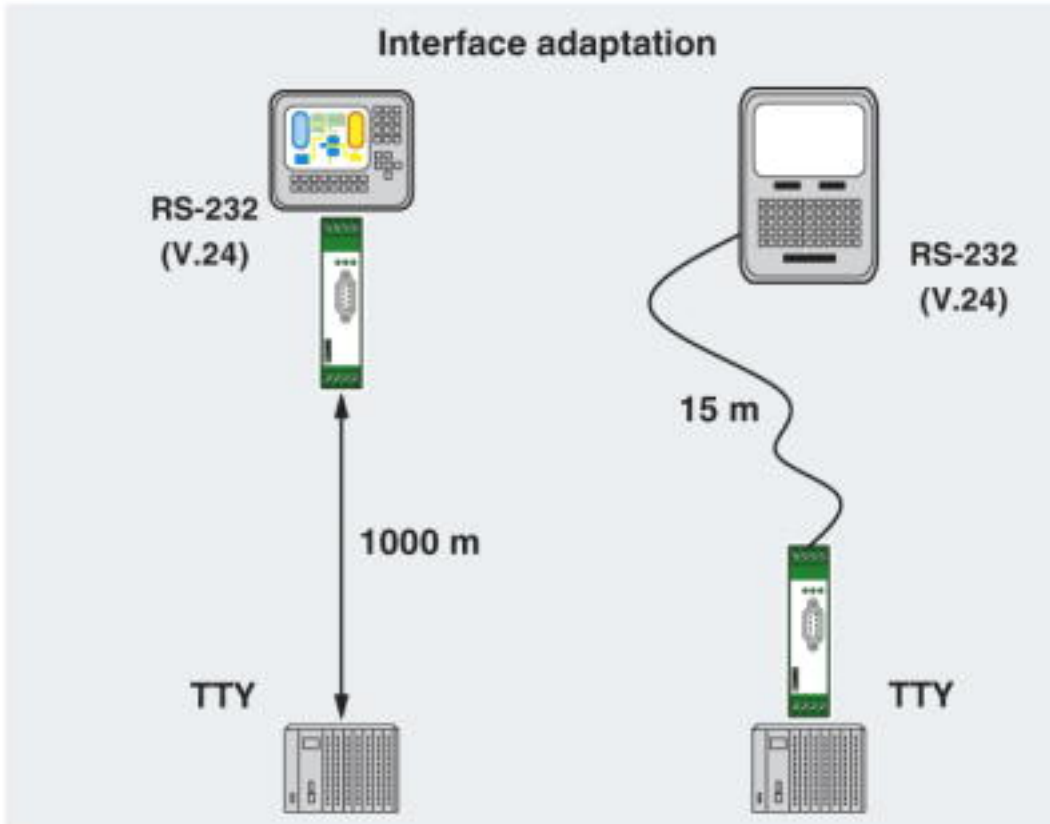
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Application drawing



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Application drawing



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