


PSM-ME-RS232/TTY-P

Order No.: 2744458

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2744458>Interface converter, for converting RS-232 (V.24) to TTY, with
electrical isolation, 2 channels, rail-mountable**TTY RS-232****Commercial data**

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN) |  4 017918 171803 |
| sales group | H611 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 487 (IF-2011) |

Product notesWEEE/RoHS-compliant since:
07/14/2006

<http://www.download.phoenixcontact.com>
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Technical data**Serial interface**

| | |
|---------------------|---------------------------------------------------------------------------|
| Interface 1 | V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1 |
| Transmission length | 15 m (twisted pair) |
| Connection method | D-SUB-9 male connector |

| | |
|----------------------------------------|---------------------------------------------|
| 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 | 19.2 kbps |
| Interface 2 | TTY interface, CL2 in acc. with DIN 66348-1 |
| Operating mode | Active, semi active, passive |
| Transmission length | 1000 m (twisted pair) |
| Load/output load current output | ≤ 500 Ω |
| 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 | 19.2 kbps |

Power supply

| | |
|-----------------------------|------------------|
| Nominal supply voltage | 24 V AC/DC ±20 % |
| Typical current consumption | 75 mA (24 V DC) |

General data

| | |
|------------------------------------------|--------------------------------------------|
| Transmission channels | 2 (1/1), RxD, TxD, full duplex |
| Bit delay | < 3 μs |
| Bit distortion | < 5 % |
| Width | 22.5 mm |
| Height | 99 mm |
| Depth | 118.6 mm |
| Ambient temperature (operation) | 0 °C ... 55 °C |
| Ambient temperature (storage/transport) | -20 °C ... 85 °C |
| Permissible humidity (operation) | 10 % ... 95 % (no condensation) |
| Electrical isolation | (VCC // V.24 (RS-232) // TTY) |
| Test voltage data interfaces | 2 kV AC |
| Test voltage data interface/power supply | 2 kV AC |
| | 2 kV |
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise emission | EN 61000-6-4 |

| | |
|------------------|----------------------------------------------------------------------------------------------------------|
| Noise immunity | EN 61000-6-2:2005 |
| Net weight | 115 g |
| Housing material | PA |
| Color | green |
| MTBF | 1989 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day)) |
| | 410 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day)) |
| UL, USA / Canada | Class I, Div. 2, Groups A, B, C, D |

Certificates / Approvals



Certification CUL, DNV, GOST, UL

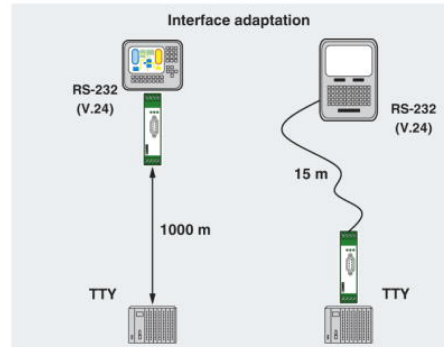
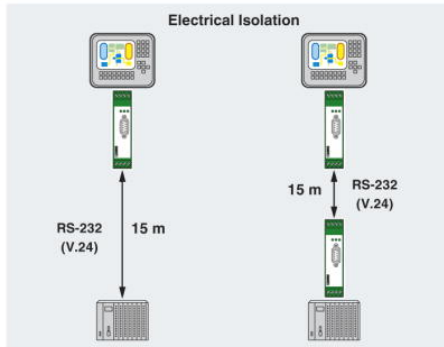
Certification Ex: CUL-EX, UL-EX

Accessories

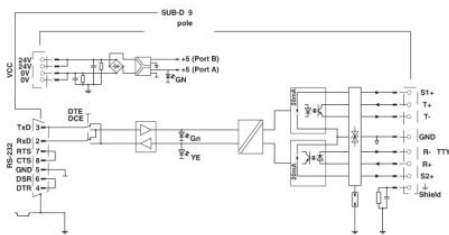
| Item | Designation | Description |
|------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly | | |
| 2853899 | ME-SAS | Shield connection clamp for printed circuit terminal block |
| Cable/conductor | | |
| 2761059 | PSM-KA 9 SUB 25/BB/2METER | RS-232 cable, 9-pos. D-SUB female connector 25-pos on D-SUB female connector |
| 2799474 | PSM-KA9SUB9/BB/2METER | RS-232 cable, 9-pos. D-SUB female connector on 9-pos. D-SUB female connector, 9-wire, 1:1 |
| Plug/Adapter | | |
| 2761509 | SUBCON 9/M-SH | 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 |
| Tools | | |
| 1204517 | SZF 1-0,6X3,5 | 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 |

Diagrams/Drawings

Application drawing



Circuit diagram



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