

# PSM-EG-RS232/RS232-P/4K - Interface converter



2761444

<https://www.phoenixcontact.com/us/products/2761444>

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Interface converter, for the electrical isolation of two RS-232 interfaces, 4 channels, integrated DTE/DCE switch-over, DIN-rail mountable

The figure shows a variant of the V.24 (RS-232)/RS-422 converter

## Commercial data

Item number	2761444
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN05
Product key	DNC112
GTIN	4017918064716
Weight per piece (including packing)	292.27 g
Weight per piece (excluding packing)	251.05 g
Customs tariff number	85176200
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface converter
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### Electrical properties

Electrical isolation	VCC // V.24 (RS-232) (A) // V.24 (RS-232) (B)
Maximum power dissipation for nominal condition	3.12 W
Test voltage data interface/power supply	2.5 kV
	2.5 kV AC
Test voltage data interfaces	2.5 kV AC

### Supply

Nominal supply voltage	24 V DC $\pm$ 20 %
Typical current consumption	130 mA (24 V DC)

### Connection data

#### Supply

Tightening torque	0.56 Nm ... 0.79 Nm
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### Interfaces

Bit distortion	$\leq$ 5 %
Bit delay	$\leq$ 3 $\mu$ s
Signal	Modbus

### Data

Transmission length	15 m (twisted pair)
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section AWG max.	14
Conductor cross-section AWG min.	24

### Dimensions

Width	45 mm
Height	75 mm
Depth	110 mm

### Material specifications

Color (Housing)	green (RAL 6021)
Material (Housing)	ABS

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	0 °C ... 50 °C
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## EMC data

Electromagnetic compatibility

Conformance with EMC Directive 2014/30/EU

## Mounting

Mounting type

DIN rail mounting

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## Classifications

### UNSPSC

UNSPSC 21.0	43222604
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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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