

MCR-PS- 24DC/24DC/200 - Converter



2766821

<https://www.phoenixcontact.com/us/products/2766821>

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DC/DC converter, with electrical isolation, input 20 V ... 30 V DC, output 24 V DC/200 mA

Commercial data

Item number	2766821
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CM02
Product key	CMDL43
GTIN	4017918066871
Weight per piece (including packing)	123 g
Weight per piece (excluding packing)	123 g
Customs tariff number	85044082
Country of origin	DE

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Technical data

Input data

Input voltage range	20 V DC ... 30 V DC
Input voltage range DC	20 V DC ... 30 V _{PP}
Voltage type of supply voltage	DC
Current consumption	approx. 380 mA
Nominal power consumption	approx. 7.6 W
Protective circuit	Reverse polarity protection
Input fuse	0.5 A (normal blow, internal 5x20)

Output data

Nominal output voltage	24 V DC 5 %
Nominal output current (I _N)	200 mA
Residual ripple	≤ 250 mV _{PP}
Protective circuit	Current limitation at approx. 250 mA

Connection data

Input

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm ²
Conductor cross-section, rigid max.	2.5 mm ²
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.	14
Stripping length	8 mm
Screw thread	M3

Output

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm ²
Conductor cross-section, rigid max.	2.5 mm ²
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.	14
Stripping length	8 mm
Screw thread	M3

Electrical properties

Test voltage input/output	500 V AC
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Product properties

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Product type	DC/DC converters
Operating mode	100% operating factor

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Dimensions

Width	25 mm
Height	85.5 mm
Depth	79 mm
Horizontal pitch	1.4 Div.

Mounting

Assembly note	can be aligned with spacing = 10 mm
Mounting position	vertical
With protective coating	no

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C

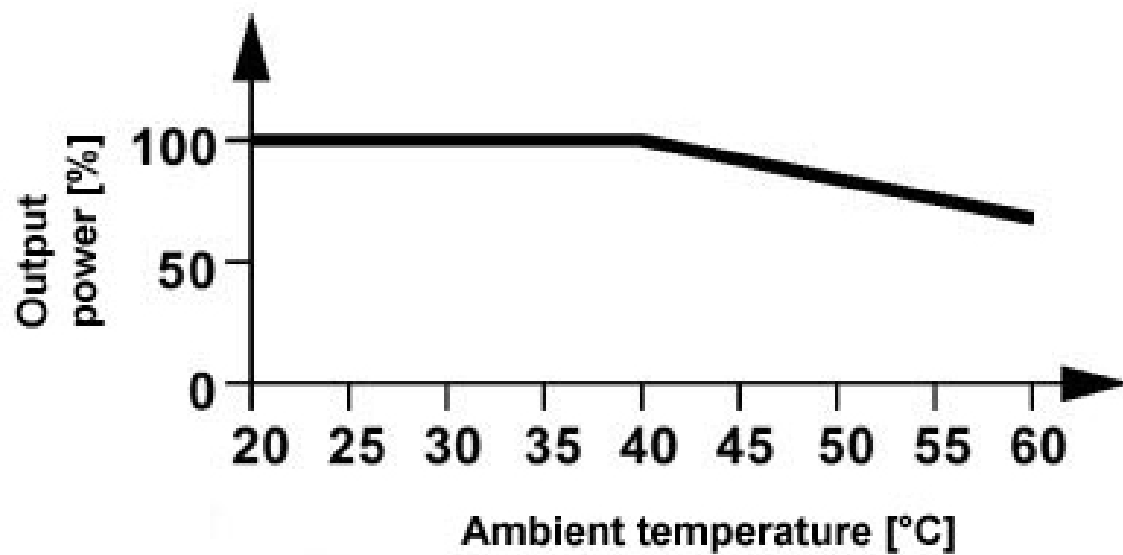
Standards and regulations

Standards

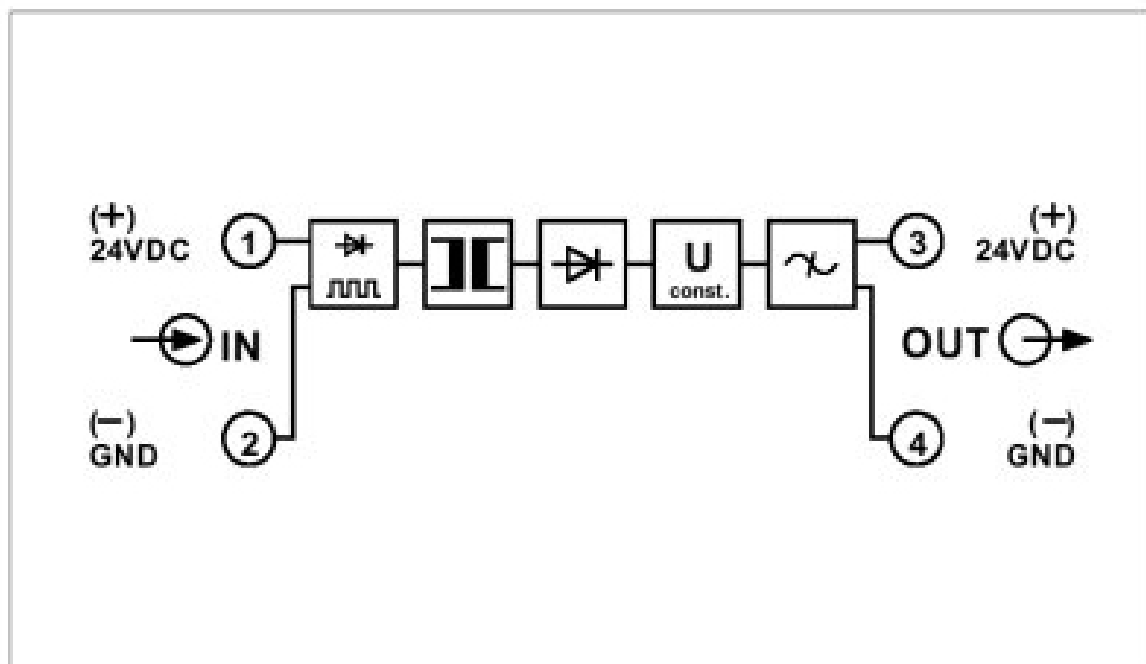
Standards/regulations	IEC 664
	IEC 664 A
	DIN VDE 0110-1

Drawings

Diagram



Circuit diagram



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Environmental product compliance

EU REACH SVHC

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