

MCR-PS-120AC/24DC/100 - Signal conditioner



2786869

<https://www.phoenixcontact.com/us/products/2786869>

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Power supply unit, with fixed-voltage regulator, input 120 V AC, output 24 V DC/100 mA

Commercial data

Item number	2786869
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CM11
Product key	CMPL13
GTIN	4017918070786
Weight per piece (including packing)	321 g
Weight per piece (excluding packing)	321 g
Customs tariff number	85044094
Country of origin	DE

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Technical data

Input data

Input voltage	120 V AC \pm 10 %
AC frequency range	50 Hz ... 60 Hz
Current consumption	approx. 70 mA
Nominal power consumption	approx. 8.4 VA

Output data

Nominal output voltage	24 V DC \pm 4 %
Nominal output current (I_N)	100 mA
Residual ripple	\leq 50 mV _{PP} (at $U_N = 24$ V AC)
Output fuse	0.125 A (normal blow)

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	4 kV AC
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Product properties

Product type	Power supply
Operating mode	100% operating factor

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Dimensions

Width	40 mm
Height	85.5 mm
Depth	79 mm
Horizontal pitch	2.2 Div.

Mounting

Assembly note	can be aligned with spacing = 10 mm
Mounting position	On horizontal DIN rail

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C

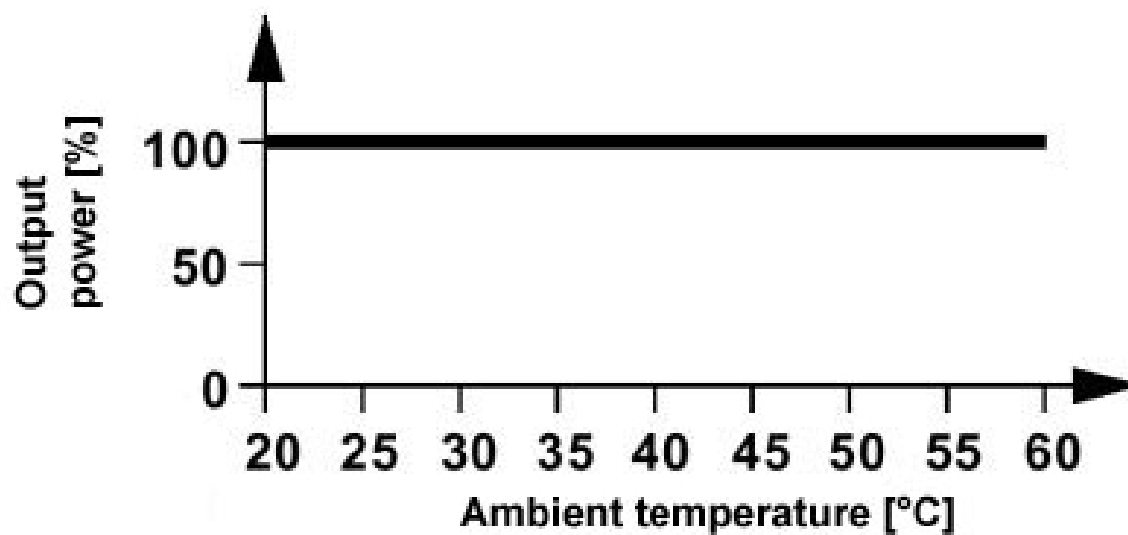
Standards and regulations

Standards

Standards/regulations	IEC 664
	IEC 664 A
	DIN VDE 0110-1
	DIN VDE 0551

Drawings

Diagram



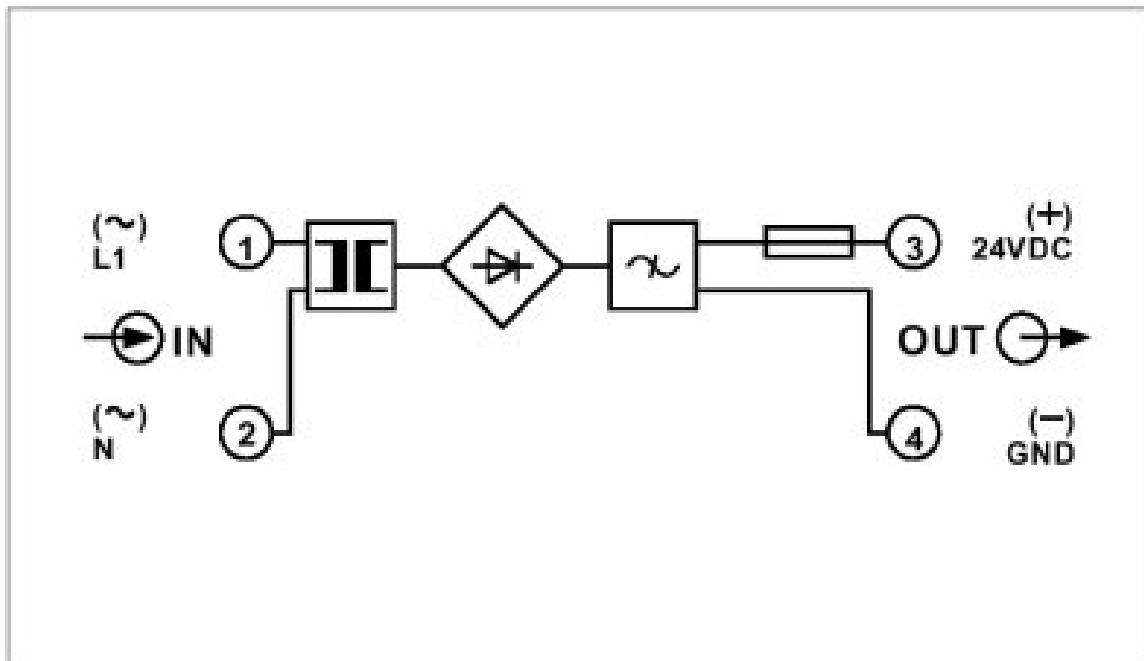
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Circuit diagram



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Environmental product compliance

EU REACH SVHC

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