

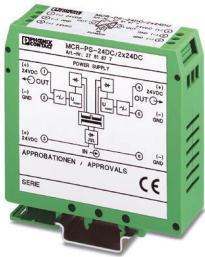
# MCR-PS- 24DC/2X24DC - Auxiliary contactor



2781877

<https://www.phoenixcontact.com/us/products/2781877>

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DC/DC converter, with galvanic isolation of outputs, input 24 V DC, output 2 x 24 V DC/2 x 30 mA

## Commercial data

Item number	2781877
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM02
Product key	CMDL43
GTIN	4017918069247
Weight per piece (including packing)	102.88 g
Weight per piece (excluding packing)	97 g
Customs tariff number	85044095
Country of origin	VN

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## Technical data

### Input data

Input voltage	24 V DC $\pm$ 10 %
Nominal input voltage range	24 V DC
Input voltage range	21.6 V DC ... 26.4 V DC
Wide-range input	yes
Voltage type of supply voltage	DC
Current consumption	approx. 100 mA

### Output data

Nominal output voltage	24 V DC (2x)
Nominal output current ( $I_N$ )	30 mA (2x)
Residual ripple	$\leq$ 50 mV <sub>PP</sub>
Short-circuit-proof	yes
Output power	1.5 W

### Connection data

#### Input

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross-section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section AWG min.	24
Conductor cross-section AWG max.	14
Stripping length	8 mm

### Electrical properties

Number of phases	1
Test voltage output/output	1.5 kV AC
Test voltage input/output	2.5 kV AC

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## Product properties

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

## Dimensions

Width	25 mm
Height	85.5 mm
Depth	79 mm

## Mounting

Assembly note	any
Mounting position	any
With protective coating	no

## Material specifications

Housing material	Plastic
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## Environmental and real-life conditions

### Ambient conditions

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

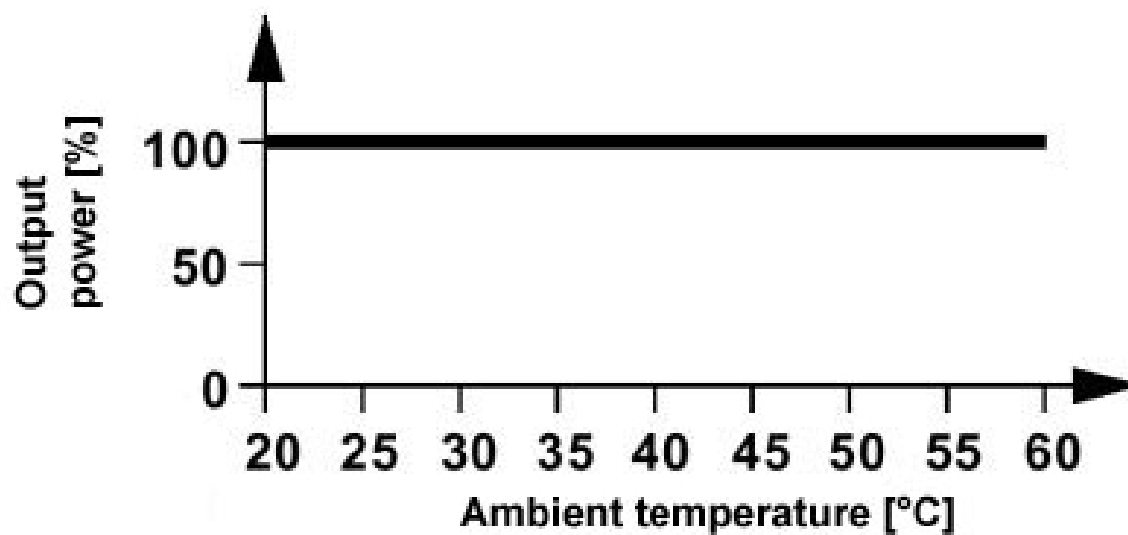
## Standards and regulations

### Standards

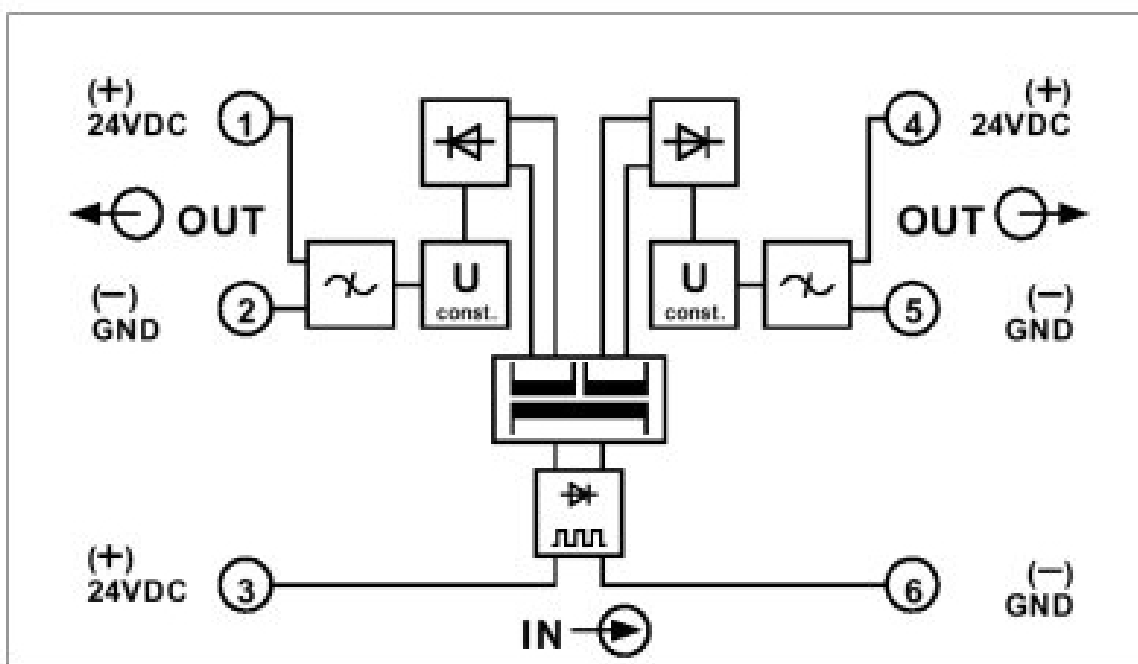
Standards/regulations	IEC 664
	IEC 664 A
	DIN VDE 0110-1

## Drawings

### Diagram



Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27040701
ECLASS-15.0	27040701

### ETIM

ETIM 10.0	EC002540
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### UNSPSC

UNSPSC 21.0	39121000
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-25
	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.)	Lead(CAS: 7439-92-1)
SCIP	aee9c14b-44ff-4e2b-865e-9dad77ce7258

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