MINI MCR-SL-PTB - Power terminal block

2864134

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MCR power terminal block for supplying several MINI Analog modules via the DIN rail connector, with screw connection, maximum current consumption of up to 2 A

Product description

The 6.2 mm wide MINI MCR-SL-PTB... power terminal is used for supplying the DIN rail connector with supply voltage.
Two separate voltage inputs allow a redundant voltage supply of 24 V DC and a maximum current of 2 A.
A green LED on the front panel lights up when there is supply voltage on the DIN rail connector. Red LEDs indicate supply voltages connected with reversed polarity. When the supply voltage has been connected correctly, the red LED extinguishes.

Your advantages

- For supplying the supply voltage via the foot element (DIN rail connector) where DC voltages of up to 30 V are already available
- Status and error indication via diagnostic LEDs
- For up to 2 A
- For up to 80 MINI analog modules
- Redundant supply decoupled from diode possible

Commercial data

Item number	2864134
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C403
Product key	DK113Z
GTIN	4017918974770
Weight per piece (including packing)	61.2 g
Weight per piece (excluding packing)	51.9 g
Customs tariff number	85437090
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Feed-in module
Product family	MINI Analog

Input data

Input voltage range DC	20 V DC ... 30 V DC
Max. input current	2 A
Reverse polarity protection	yes

Output data

Output voltage range	Input voltage - 0.8 V

Connection data

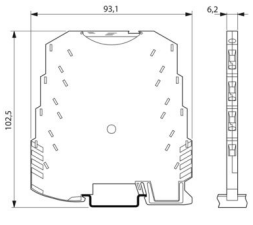
Input

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm²
Conductor cross-section, rigid max.	2.5 mm²
Conductor cross-section flexible min.	0.2 mm²
Conductor cross-section flexible max.	2.5 mm²
Conductor cross-section AWG min.	26
Conductor cross-section AWG max.	12
Stripping length	12 mm
Screw thread	M3

Signaling

Status display	Green LED (supply)
Error indication	Red LED

Dimensions

Dimensional drawing	

Width	6.2 mm
Height	93.1 mm
Depth	102.5 mm

Material specifications

Housing material	PBT
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 2
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 2
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 2

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Maximum altitude	≤ 2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

Approvals

CE

Certificate	CE-compliant

UL, USA/Canada

Identification	UL 508 Listed

EMC data

Electromagnetic compatibility	Conformance with EMC directive
Noise immunity	EN 61000-6-2
Note	When being exposed to interference, there may be minimal deviations.

Noise emission

Standards/regulations	EN 61000-6-4

Electrostatic discharge

Standards/regulations	EN 61000-4-2

Electrostatic discharge

Comments	Safety measures must be taken to prevent electrostatic discharge.

Electromagnetic HF field

Designation	Electromagnetic RF field
Standards/regulations	EN 61000-4-3
Evaluation criterion	A

Fast transients (burst)

Designation	Fast transients (burst)
Standards/regulations	EN 61000-4-4
Evaluation criterion	B

Surge current load (surge)

Standards/regulations	EN 61000-4-5

Surge current load (surge)

Comments	Criterion B

Conducted interference

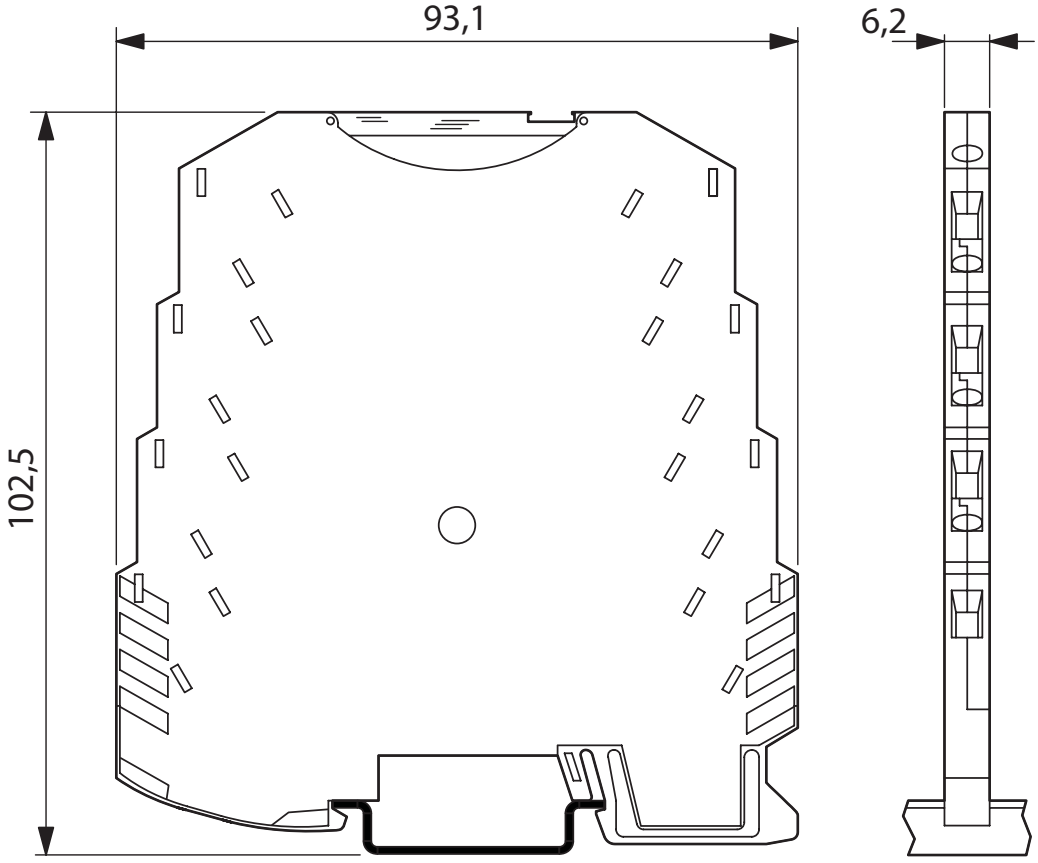
Designation	Conducted interferences
Standards/regulations	EN 61000-4-6
Evaluation criterion	A

Mounting

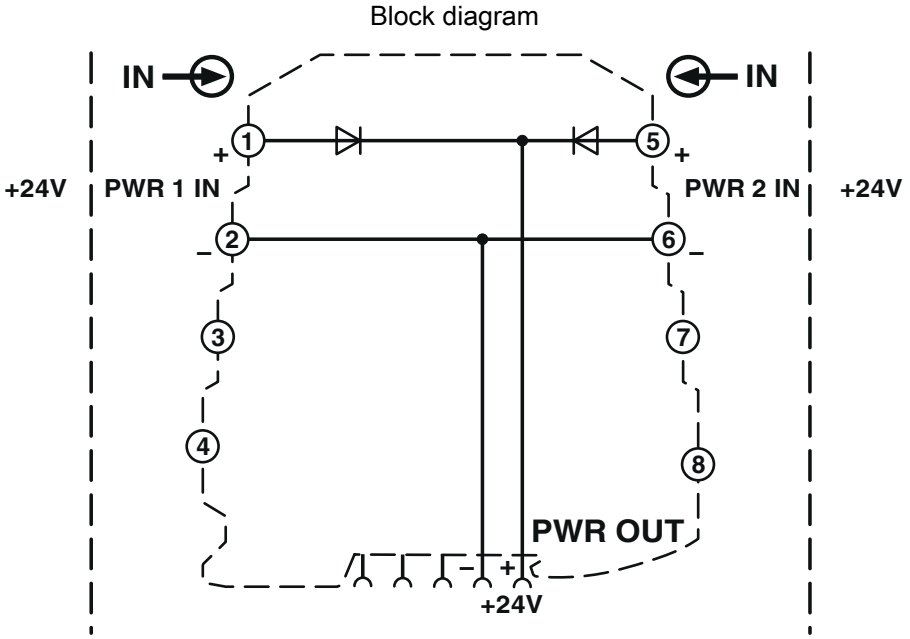
Mounting type	DIN rail mounting
Assembly note	The DIN rail connector can be used for bridging the supply voltage. It can be snapped onto a 35 mm EN 60715 DIN rail.
Mounting position	any

Drawings

Dimensional drawing



Block diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2864134

cUL Recognized
Approval ID: E238705

UL Recognized
Approval ID: E238705

cUL Listed
Approval ID: E199827

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Approval ID: E199827

Classifications

ECLASS

ECLASS-13.0	27371392
ECLASS-15.0	27371392

ETIM

ETIM 10.0	EC002886

UNSPSC

UNSPSC 21.0	39121100

Environmental product compliance

EU RoHS

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

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.)	Lead(CAS: 7439-92-1)
SCIP	a28023f7-5b31-4e7f-897e-33e6066ac3ed

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