

MINI MCR-SL-PTB-FM-SP - Power terminal block



2902959

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The MINI MCR-SL-PTB-FM(-SP) feed-in terminal is used to feed in the supply voltage to the DIN rail connector. The FM feed-in terminal offers an additional function: monitoring. Spring-cage connection. Replacement part: 2902067 MINI MCR-2-PTB-PT.

Product description

The MINI MCR-SL-PTB-FM(-SP) power terminal block is used to supply the supply voltage to the DIN rail connector. Two separate voltage inputs enable redundant and diode-decoupled power supply up to a maximum current of 2 A. The FM power terminal block offers additional functions, monitoring in combination with the MINI MCR-SL-FM-RO fault monitoring module (Order No. 2902961, 2902962), flexible redundant supply of one or both module sides, and an extended supply voltage range of 0 ... 30 V DC.

Commercial data

Item number	2902959
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C403
Product key	CK12ZZ
Catalog page	Page 117 (C-7-2015)
GTIN	4046356702720
Weight per piece (including packing)	82.5 g
Weight per piece (excluding packing)	74.2 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Power module
Product family	MINI Analog

Electrical properties

Maximum temperature coefficient	< 0.01 %/K
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Input data

Input voltage range DC	0 V DC ... 30 V DC
Max. input current	2 A
Reverse polarity protection	yes

Output data

Output voltage range	Input voltage - 0.8 V
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Connection data

Input

Connection method	Spring-cage 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.	12
Stripping length	8 mm

Signaling

Status display	Green LED (supply)
Error indication	Red LED

Dimensions

Width	6.2 mm
Height	93.1 mm
Depth	102.5 mm

Material specifications

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
Housing material	PBT

Environmental and real-life conditions

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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

CE

Certificate	CE-compliant
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ATEX

Identification	Ex II 3 G Ex nA IIC T4 Gc X
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UL, USA/Canada

Identification	UL 508 Listed
	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, Group IIC

Shipbuilding approval

Certificate	DNV GL 14085-15HH
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EMC data

Noise immunity	EN 61000-6-2
Note	When being exposed to interference, there may be minimal deviations.
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-4

Electrostatic discharge

Standards/regulations	EN 61000-4-2
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Electrostatic discharge

Comments	Safety measures must be taken to prevent electrostatic discharge.
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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
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Surge current load (surge)

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Comments	Criterion B
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Conducted interference

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

Mounting

Mounting type	DIN rail mounting
Assembly instructions	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

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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

MINI MCR-SL-FM-RC-NC - Monitoring block

2902961

<https://www.phoenixcontact.com/us/products/2902961>

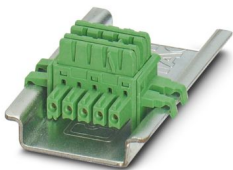


The fault monitoring module is used to evaluate and report group errors from the fault monitoring system and to monitor the supply voltages. The error is reported via an N/O contact. Screw connection, standard configuration.

ME 6,2 TBUS-2 1,5/5-ST-3,81 GN - DIN rail bus connectors

2869728

<https://www.phoenixcontact.com/us/products/2869728>



DIN rail connector for DIN rail mounting. Universal for TBUS housing. Gold-plated contacts, 5-pos.

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MINI MCR DKL - Transparent cover

2308111

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Fold up transparent cover for MINI MCR modules with additional labeling option using insert strips and flat Zack marker strip 6.2 mm

MINI MCR-DKL-LABEL - Marking label

2810272

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Label for extended marking of MINI MCR modules in connection with the MINI MCR-DKL

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