

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.

Feed-through terminal block for transmission of signals that are already electrically isolated



Product Description

The 6.2 mm narrow MINI MCR-SL-TB is a feed-through terminal block for the transmission of signals that are already electrically isolated.

Your advantages

- Feed-through terminal block for 1:1 forwarding of signals in the MINI Analog group
- Use in conjunction with the MINI Analog multiplexer
- For direct mounting in applications without signal conversion and without electrical isolation

Commercial Data

Item number	2811420
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C01
Product Key	CK12ZZ
Catalog Page	Page 116 (C-7-2015)
GTIN	4046356281911
Weight per Piece (including packing)	75.4 g
Weight per Piece (excluding packing)	59.9 g
Customs tariff number	85389091
Country of origin	DE

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

Technical Data

Product properties

Product type	Feed-through terminal block
No. of channels	1

Electrical properties

No. of channels	1
Current carrying capacity	1 A
Contact resistance	< 10 mΩ

Input data

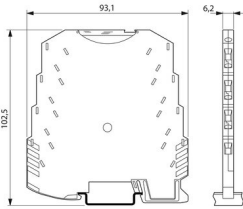
Signal: Voltage/current

Max. voltage input signal	30 V AC/DC
Max. current input signal	1 A

Connection data

Connection method	Screw connection
Stripping length	12 mm
Screw thread	M3
Number of connections	1
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
Width	6.2 mm
Height	93.1 mm
Depth	101.2 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

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

Ambient conditions

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

Approval data

CE

Certificate	CE-compliant
-------------	--------------

UKCA

Certificate	UKCA-compliant
-------------	----------------

Shipbuilding approval

Certificate	DNV GL TAA000020N
-------------	-------------------

DNV GL data

Temperature	B
Humidity	B
Vibration	B
EMC	A
Enclosure	Required protection according to the Rules shall be provided upon installation on board

EMC data

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

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

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

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	NS 35/7,5
	NS 35/15
	NS 35/15-2,3
	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

Feed-through terminal block - MINI MCR-SL-TB

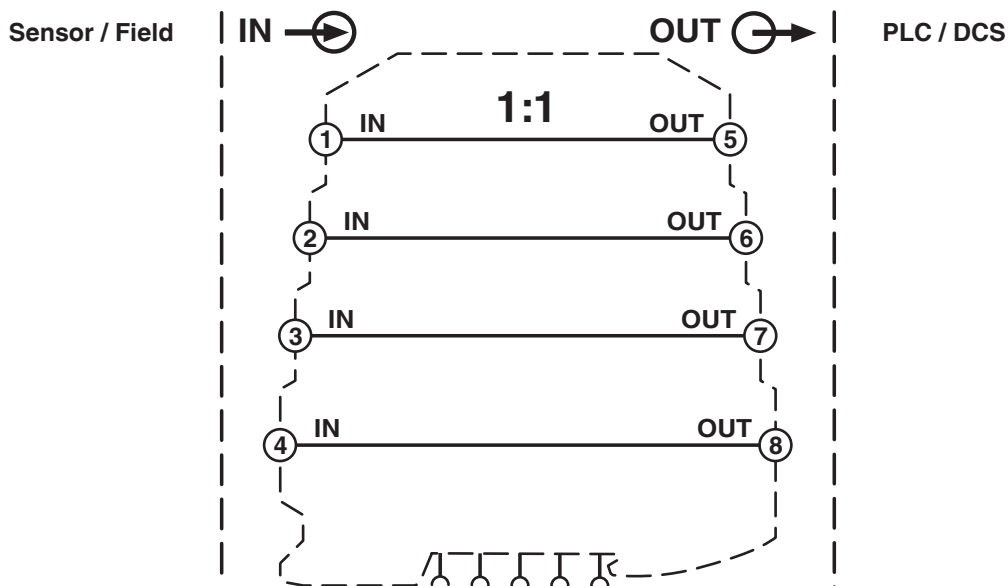
2811420

<https://www.phoenixcontact.com/us/products/2811420>

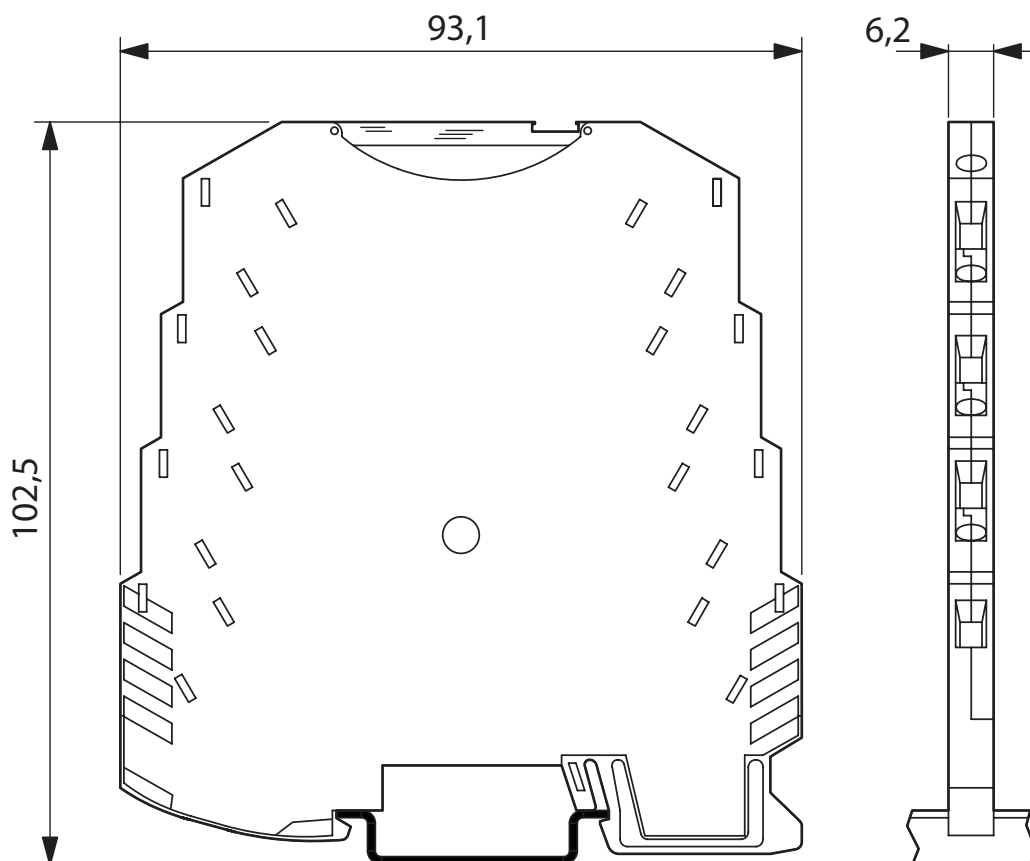


Drawings

Block diagram



Dimensional drawing



Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

Approvals

	 DNV GL Approval ID: TAA000020N			
	Nominal Voltage U _N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
			-	-

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

Classifications

ECLASS

ECLASS-9.0	27219290
ECLASS-10.0.1	27219290
ECLASS-11.0	27210192

ETIM

ETIM 8.0	EC002498
----------	----------

UNSPSC

UNSPSC 21.0	39121000
-------------	----------

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

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"

Feed-through terminal block - MINI MCR-SL-TB



2811420

<https://www.phoenixcontact.com/us/products/2811420>

Accessories

Transparent cover

Transparent cover - MINI MCR DKL - 2308111

<https://www.phoenixcontact.com/us/products/2308111>



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

Marking label

Marking label - MINI MCR-DKL-LABEL - 2810272

<https://www.phoenixcontact.com/us/products/2810272>



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

Phoenix Contact 2022 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

586 Fulling Mill Road

Middletown, PA 17057, United States

(+717) 944-1300

info@phoenixcon.com