

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



2811420

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

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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
Sales key	C403
Product key	DK113Z
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

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## Technical data

### Product properties

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

### Electrical properties

Current carrying capacity	1 A
Contact resistance	< 10 mΩ

### Input data

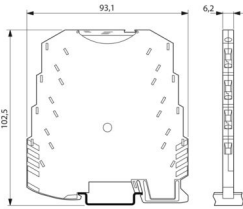
Signal: Voltage/current

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 rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Dimensions

Dimensional drawing	
Width	6.2 mm
Height	93.1 mm
Depth	101.2 mm

### Material specifications

Color	green (RAL 6021)
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

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## 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
Altitude	≤ 2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

## Approvals

### CE

Certificate	CE-compliant
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### UKCA

Certificate	UKCA-compliant
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### Shipbuilding approval

Certificate	DNV GL TAA000020N
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### Shipbuilding 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 immunity	EN 61000-6-2
Note	When being exposed to interference, there may be minimal deviations.

### Noise emission

Standards/regulations	EN 61000-6-4
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### 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

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## 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)

Comments	Criterion B
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## 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 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

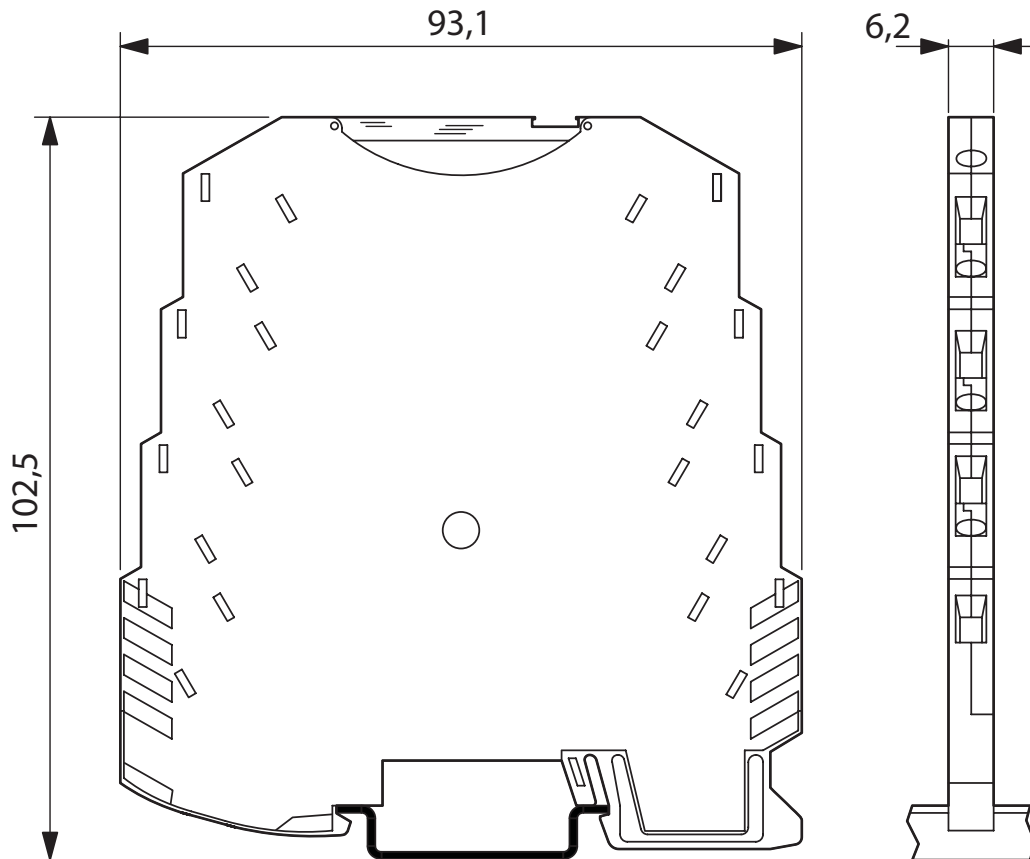
# MINI MCR-SL-TB - Feed-through terminal block

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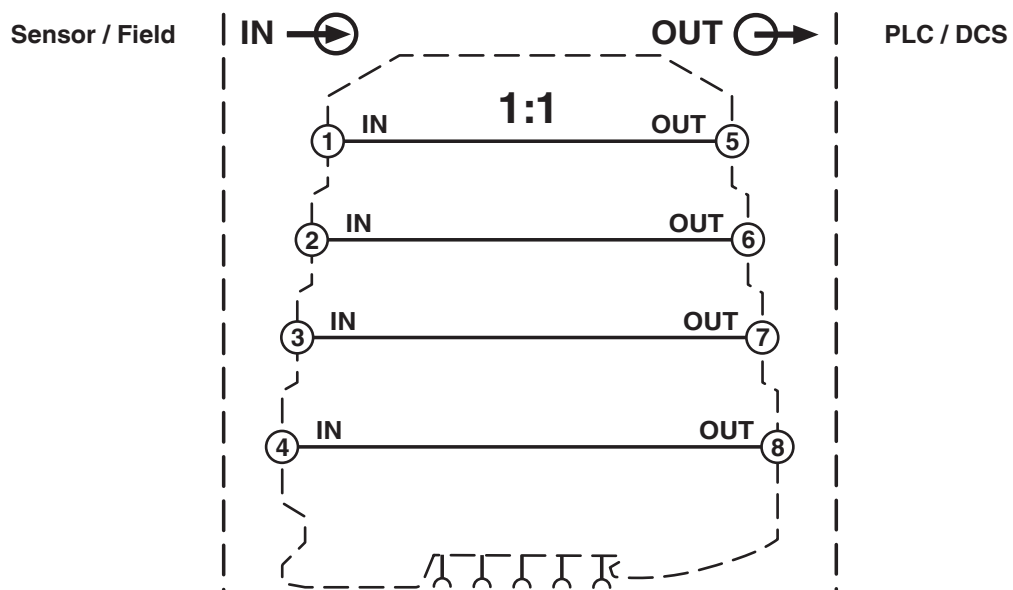
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## Drawings

Dimensional drawing



Block diagram



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## Classifications

### ECLASS

ECLASS-13.0	27210192
ECLASS-15.0	27210192

### ETIM

ETIM 9.0	EC002498
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### UNSPSC

UNSPSC 21.0	39121000
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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