

# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

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 with plug-in connection technology for the transmission of signals already electrically isolated. Screw connection technology

## Product description

Feed-through terminal block with plug-in connection technology for the transmission of signals already electrically isolated. The feed-through terminal block supports NFC communication.

## Commercial data

Item number	2902068
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C404
Product key	DK112Z
GTIN	4046356649957
Weight per piece (including packing)	91.8 g
Weight per piece (excluding packing)	82 g
Customs tariff number	85389099
Country of origin	DE

# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

## Technical data

### Notes

#### Utilization restriction

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

### Product properties

Product type	Feed-through terminal block
Product family	MINI Analog Pro

### Electrical properties

Current carrying capacity	4 A (Total)
---------------------------	-------------

#### Electrical isolation

Overvoltage category	II
Pollution degree	2

#### Supply

Nominal supply voltage	24 V AC/DC
------------------------	------------

### Input data

#### Signal: Voltage/current

Number of inputs	4
Max. voltage input signal	30 V AC/DC (per channel)
Max. current input signal	1 A (per channel)

### Connection data

Connection method	Screw connection
Stripping length	10 mm
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm

### Ex data

Ex installation (EPL)	Gc
	Div. 2

### Dimensions

Width	6.2 mm
Height	109.81 mm
Depth	119.2 mm

# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

## Material specifications

Color	gray (RAL 7042)
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 (not assessed by UL)
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

### Altitude range (≤ 2000 m)

Altitude	≤ 2000 m (The technical data refers to altitudes ≤2000 m above mean sea level. For altitudes >2000 m above mean sea level, refer to the data sheet.)
Ambient temperature (operation)	-40 °C ... 70 °C
Rated insulation voltage	50 V AC/DC

### Altitude range (≤ 3000 m)

Height range	> 2000 m ... 3000 m
Ambient temperature (operation)	-40 °C ... 63 °C
Rated insulation voltage	40 V AC/DC

### Altitude range (≤ 4000 m)

Height range	> 3000 m ... 4000 m
Ambient temperature (operation)	-40 °C ... 56 °C
Rated insulation voltage	30 V AC/DC

### Altitude range (≤ 5000 m)

Height range	> 4000 m ... 5000 m
Ambient temperature (operation)	-40 °C ... 49 °C
Rated insulation voltage	30 V AC/DC

## Approvals

### CE

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

### ATEX

Identification	⊕ II 3 G Ex ec IIC Gc
Certificate	PxCIF16ATEX2901993U

### IECEX

Identification	Ex ec IIC Gc
----------------	--------------

# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

Certificate	IECEX BVS 22.0005U
-------------	--------------------

## CCC / China-Ex

Identification	Ex ec IIC Gc
----------------	--------------

## UL, USA/Canada

Identification	UL 508 Listed
	Class I, Div. 2, Groups A, B, C, D T6
	Class I, Zone 2, Group IIC T6

## Shipbuilding approval

Certificate	DNV GL TAA00002UA
-------------	-------------------

## Shipbuilding data

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

## Standards and regulations

### GB Standard

Standards/regulations	GB/T 3836.1
	GB/T 3836.3

## Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 35/15-2,3
	DIN rail mounting
Mounting position	any

# MINI MCR-2-TB - Feed-through terminal block

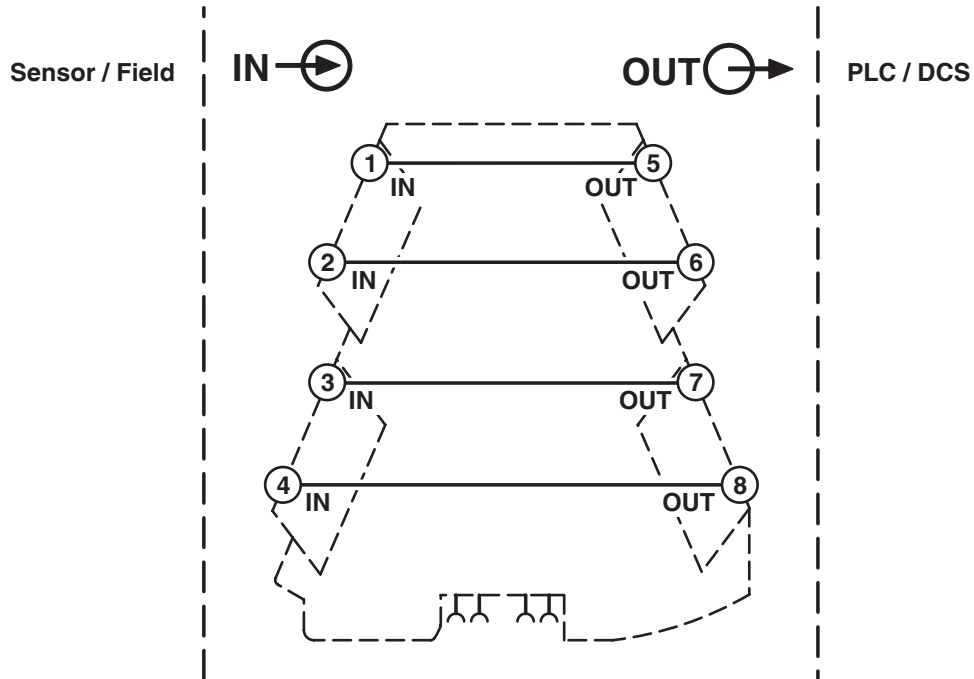
2902068

<https://www.phoenixcontact.com/us/products/2902068>



## Drawings

Block diagram



# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2902068>



**UL Listed**

Approval ID: FILE E 238705



**cUL Listed**

Approval ID: FILE E 238705



**CCC**

Approval ID: 2022122313115722

**DNV**

Approval ID: TAA00002UA



**cUL Listed**

Approval ID: E196811



**UL Listed**

Approval ID: E196811



**IECEx**

Approval ID: IECEx BVS 22.0005U

# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

## Classifications

### ECLASS

ECLASS-13.0	27371392
ECLASS-15.0	27371392

### ETIM

ETIM 10.0	EC002886
-----------	----------

### UNSPSC

UNSPSC 21.0	39121100
-------------	----------

# MINI MCR-2-TB - Feed-through terminal block



2902068

<https://www.phoenixcontact.com/us/products/2902068>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)