

# MINI MCR-2-UI-UI-PT - Signal conditioner



2902040  
<https://www.phoenixcontact.com/us/products/2902040>

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3-way signal conditioner with plug-in connection technology and calibrated measuring range changeover, for the electrical isolation of unipolar and bipolar analog signals. Input/output configurable via DIP switch. push-in connection technology, standard configuration.

## Product description

The 3-way signal conditioner with plug-in connection technology and calibrated measuring range changeover can be configured using DIP switches and is used for the electrical isolation, conversion, amplification, and filtering of unipolar and bipolar standard and normalized signals. On the input side, the standard analog signals 0 ... 20 mA, 4 ... 20 mA, 0 ... 10 V, 0 ... 5 V, 1 ... 5 V or -10 ... 10 V, and signals2 ... 10 V, 0 ... 20 V, 4 ... 20 V, 0 ... 24 V, 0 ... 30 V, -5 ... 5 V, -20 ... 20 V, -24 ... 24 V, -30 ... 30 V and -20 ... 20 mA are available. On the output side, 0 ... 20 mA, 4 ... 20 mA, 0 ... 10 V, 0 ... 5 V, 1 ... 5 V, -10 ... 10 V and -5 ... 5 V are possible. There is no need for adjustment following a measuring range changeover. The measuring transducer supports fault monitoring and NFC communication.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2902040       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C404          |
| Product key                          | DK1121        |
| GTIN                                 | 4046356652063 |
| Weight per piece (including packing) | 116.4 g       |
| Weight per piece (excluding packing) | 97.5 g        |
| Customs tariff number                | 85437090      |
| Country of origin                    | DE            |

# MINI MCR-2-UI-UI-PT - Signal conditioner



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<https://www.phoenixcontact.com/us/products/2902040>

## Technical data

### Notes

#### Utilization restriction

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

### Product properties

|                 |                    |
|-----------------|--------------------|
| Product type    | Signal conditioner |
| Product family  | MINI Analog Pro    |
| No. of channels | 1                  |
| Configuration   | DIP switches       |

#### Insulation characteristics: GB Standard

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree     | 2  |

### Electrical properties

|                                               |                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------|
| Electrical isolation                          | 3-way isolation                                                        |
| Electrical isolation between input and output | yes                                                                    |
| Limit frequency (3 dB)                        | 30 Hz (via DIP switch)                                                 |
|                                               | 5 kHz (via DIP switch)                                                 |
| Protective circuit                            | Transient protection                                                   |
| Step response (10-90%)                        | < 12 ms (with 30 Hz filter)                                            |
| Maximum temperature coefficient               | 0.01 %/K                                                               |
| Temperature coefficient, typical              | 0.01 %/K                                                               |
| Maximum transmission error                    | ≤ 0.1 % (of the maximum value of the configured output range)          |
|                                               | ≤ 0.15 % (of final value, at IN: 4 mA ... 20 mA / OUT: -10 V ... 10 V) |

#### Electrical isolation Input/output/power supply

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Rated insulation voltage | 300 V <sub>rms</sub>                              |
| Test voltage             | 3 kV AC (50 Hz, 60 s)                             |
| Insulation               | Reinforced insulation according to IEC/EN 61010-1 |

#### Supply

|                              |                                                                                                                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal supply voltage       | 24 V DC                                                                                                                                                                                                        |
| Supply voltage range         | 9.6 V DC ... 30 V DC (The DIN rail connector (ME 6,2 TBUS-2 1,5/5-ST-3,81 GN, item no. 2869728) can be used to bridge the supply voltage. It can be snapped onto a 35 mm DIN rail in accordance with EN 60715) |
| Typical current consumption  | 25 mA (Current output, at 24 V DC incl. load)                                                                                                                                                                  |
|                              | 54 mA (Current output, at 12 V DC incl. load)                                                                                                                                                                  |
| Power consumption (I output) | ≤ 800 mW (at I <sub>OUT</sub> = 20 mA, 9.6 V DC, 600 Ω load)                                                                                                                                                   |

### Input data

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Signal: Voltage/current

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| Number of inputs                  | 1                                           |
| Configurable/programmable         | Yes                                         |
| Voltage input signal              | 0 V ... 5 V (via DIP switch)                |
|                                   | 1 V ... 5 V (via DIP switch)                |
|                                   | -5 V ... 5 V (via DIP switch)               |
|                                   | 0 V ... 10 V (via DIP switch)               |
|                                   | 2 V ... 10 V (via DIP switch)               |
|                                   | -10 V ... 10 V (via DIP switch)             |
|                                   | 0 V ... 20 V (via DIP switch)               |
|                                   | 4 V ... 20 V (via DIP switch)               |
|                                   | -20 V ... 20 V (via DIP switch)             |
|                                   | 0 V ... 24 V (via DIP switch)               |
|                                   | 4.8 V ... 24 V (via DIP switch)             |
|                                   | -24 V ... 24 V (via DIP switch)             |
|                                   | 0 V ... 30 V (via DIP switch)               |
|                                   | 6 V ... 30 V (via DIP switch)               |
|                                   | -30 V ... 30 V (via DIP switch)             |
| Max. voltage input signal         | 33 V                                        |
| Current input signal              | 0 mA ... 20 mA (via DIP switch)             |
|                                   | 4 mA ... 20 mA (via DIP switch)             |
|                                   | -20 mA ... 20 mA (via DIP switch)           |
| Max. current input signal         | 24 mA                                       |
| Input resistance of voltage input | > 1000 k $\Omega$                           |
| Input resistance current input    | approx. 63 $\Omega$ (+0.7 V for test diode) |

## Output data

Signal: Voltage/current

|                                 |                                 |
|---------------------------------|---------------------------------|
| Number of outputs               | 1                               |
| Configurable/programmable       | Yes                             |
| Voltage output signal           | 0 V ... 5 V (via DIP switch)    |
|                                 | 1 V ... 5 V (via DIP switch)    |
|                                 | -5 V ... 5 V (via DIP switch)   |
|                                 | 0 V ... 10 V (via DIP switch)   |
|                                 | 2 V ... 10 V (via DIP switch)   |
|                                 | -10 V ... 10 V (via DIP switch) |
| Open-circuit voltage            | < 17 V                          |
| Current output signal           | 0 mA ... 20 mA (via DIP switch) |
|                                 | 4 mA ... 20 mA (via DIP switch) |
| Max. current output signal      | 22 mA                           |
| Short-circuit current           | < 32 mA                         |
| Load/output load voltage output | $\geq$ 10 k $\Omega$            |
| Load/output load current output | $\leq$ 600 $\Omega$ (at 20 mA)  |

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|        |                                  |
|--------|----------------------------------|
| Ripple | < 20 mV <sub>PP</sub> (at 600 Ω) |
|        | < 20 mV <sub>PP</sub> (at 600 Ω) |

## Connection data

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Connection method                | Push-in connection                     |
| Stripping length                 | 10 mm                                  |
| Conductor cross-section rigid    | 0.2 mm² ... 2.5 mm² (with ferrule)     |
|                                  | 0.14 mm² ... 2.5 mm² (without ferrule) |
| Conductor cross-section flexible | 0.14 mm² ... 2.5 mm²                   |
| Conductor cross-section AWG      | 24 ... 12 (flexible)                   |

## Ex data

|                       |        |
|-----------------------|--------|
| Ex installation (EPL) | Gc     |
|                       | Div. 2 |

## Signaling

|                |                            |
|----------------|----------------------------|
| Status display | Green LED (supply voltage) |
|----------------|----------------------------|

## Dimensions

|        |           |
|--------|-----------|
| Width  | 6.2 mm    |
| Height | 109.81 mm |
| Depth  | 119.2 mm  |

## 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) |

## Approvals

### CE

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

### ATEX

|                |                             |
|----------------|-----------------------------|
| Identification | Ⓔ II 3 G Ex ec ic IIC T4 Gc |
| Certificate    | BVS 19 ATEX E 047 X         |

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2902040

<https://www.phoenixcontact.com/us/products/2902040>

## IECEEx

|                |                     |
|----------------|---------------------|
| Identification | Ex ec ic IIC T4 Gc  |
| Certificate    | IECEEx BVS 19.0041X |

## CCC / China-Ex

|                |                    |
|----------------|--------------------|
| Identification | Ex ec ic IIC T4 Gc |
| Certificate    | 2022122310115961   |

## 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 |
|-------------|-------------------|

## EAC Ex

|                |                                 |
|----------------|---------------------------------|
| Identification | Ex ec ic IIC T4 Gc              |
| Certificate    | BY/112 02.01 TP012 103.01 00079 |

## Shipbuilding data

|             |                                                                                         |
|-------------|-----------------------------------------------------------------------------------------|
| Temperature | B                                                                                       |
| Humidity    | B                                                                                       |
| Vibration   | A                                                                                       |
| 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 |
|-----------------------|--------------|

## 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             |

## Fast transients (burst)

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2902040

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|                       |                         |
|-----------------------|-------------------------|
| Designation           | Fast transients (burst) |
| Standards/regulations | EN 61000-4-4            |

## Surge current load (surge)

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-5 |
|-----------------------|--------------|

## Conducted interference

|                       |                         |
|-----------------------|-------------------------|
| Designation           | Conducted interferences |
| Standards/regulations | EN 61000-4-6            |

## Standards and regulations

|                      |                 |
|----------------------|-----------------|
| Electrical isolation | 3-way isolation |
|----------------------|-----------------|

## GB Standard

|                       |             |
|-----------------------|-------------|
| Standards/regulations | GB/T 3836.1 |
|                       | GB/T 3836.3 |
|                       | GB/T 3836.4 |

## 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                                                                                                                   |

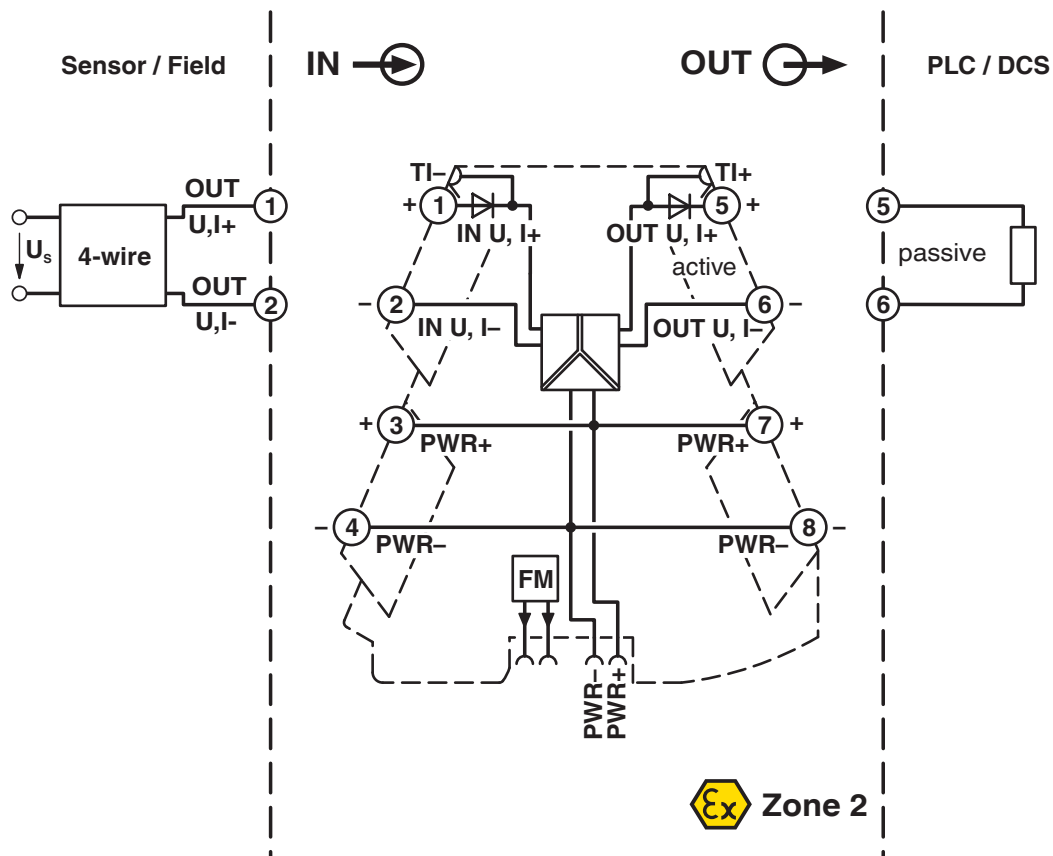
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## Drawings

Block diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2902040>



**DNV GL**

Approval ID: TAA00002UA



**UL Listed**

Approval ID: FILE E 238705



**cUL Listed**

Approval ID: FILE E 238705



**IECEx**

Approval ID: IECEx BVS 19.0041X



**cUL Listed**

Approval ID: E196811



**UL Listed**

Approval ID: E196811



**ATEX**

Approval ID: BVS 19 ATEX E 047 X



**EAC Ex**

Approval ID: TP012 103.01 00079



**CCC**

Approval ID: 2022122310115961

# MINI MCR-2-UI-UI-PT - Signal conditioner



2902040

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27210120 |
| ECLASS-15.0 | 27210120 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002653 |
|----------|----------|

### UNSPSC

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

## 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: n/a)                                                 |
|                                     | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7) |
| SCIP                                | 52f84a81-2dec-4b2f-8dbf-6b987ddaebd9                           |

### EF3.0 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 8.202 kg CO2e |
|---------|---------------|

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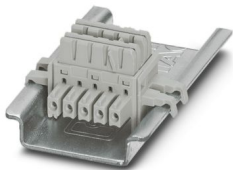
<https://www.phoenixcontact.com/us/products/2902040>

## Accessories

ME 6,2 TBUS-2 1,5/5-ST-3,81 GY - DIN rail bus connector

2695439

<https://www.phoenixcontact.com/us/products/2695439>



DIN rail bus connector (TBUS), 5-pos., for bridging the supply voltage, can be snapped onto NS 35/... DIN rail in accordance with EN 60715

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

2869728

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



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

# MINI MCR-2-UI-UI-PT - Signal conditioner



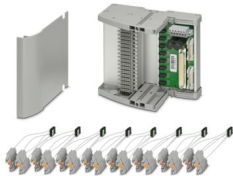
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## TC-D37SUB-AIO16-MP-PS-UNI - Module carrier

2906640

<https://www.phoenixcontact.com/us/products/2906640>



Universal Termination Carrier for connecting 16 MINI Analog Pro signal conditioners to digital or analog I/O cards, via D-SUB connector, 37-pos. (1:1 connection), with HART multiplexer connection

## TC-D37SUB-ADIO16-MP-P-UNI - Module carrier

2906639

<https://www.phoenixcontact.com/us/products/2906639>



Universal Termination Carrier for connecting 16 MINI Analog Pro signal conditioners to digital or analog I/O cards, via D-SUB connector, 37-pos. (1:1 connection)

## MINI MCR-2-UI-UI-PT - Signal conditioner

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## MINI MCR-2-V8-FLK 16 - System adapter

2901993

<https://www.phoenixcontact.com/us/products/2901993>



Eight MINI Analog Pro signal conditioners and measuring transducers can be connected to a controller with minimal cabling effort and without any errors using system adapters and system cabling.

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## MINI MCR-2-V8-MOD-RTU - Communication module

2905634

<https://www.phoenixcontact.com/us/products/2905634>



Eight MINI Analog Pro signal conditioners and measuring transducers are quickly and easily integrated into a Modbus/RTU network via a communication adapter.

# MINI MCR-2-UI-UI-PT - Signal conditioner

2902040

<https://www.phoenixcontact.com/us/products/2902040>



## MINI MCR-2-V8-MOD-TCP - Communication module

2905635

<https://www.phoenixcontact.com/us/products/2905635>



Eight MINI Analog Pro signal conditioners and measuring transducers are quickly and easily integrated into a Modbus/TCP network via a communication adapter.

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## MINI MCR-2-V8-PB-DP - Communication module

2905636

<https://www.phoenixcontact.com/us/products/2905636>



Eight MINI Analog Pro signal conditioners and measuring transducers are quickly and easily integrated into a PROFIBUS DP network via a communication adapter.

## MINI MCR-2-UI-UI-PT - Signal conditioner

2902040

<https://www.phoenixcontact.com/us/products/2902040>



## MINI MCR-2-V8-PN - Communication module

2905637

<https://www.phoenixcontact.com/us/products/2905637>



Eight MINI Analog Pro signal conditioners and measuring transducers can be quickly and easily integrated into a PROFINET network via a communication adapter.

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## FASTCON PRO-SET - Connector set

2906227

<https://www.phoenixcontact.com/us/products/2906227>



FASTCON Pro plug set consisting of four plugs with screw connection, one for each position on the module. Suitable for all MINI Analog Pro modules.

# MINI MCR-2-UI-UI-PT - Signal conditioner



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<https://www.phoenixcontact.com/us/products/2902040>

## FASTCON PRO-SET-PT - Connector set

2906228

<https://www.phoenixcontact.com/us/products/2906228>



FASTCON Pro plug set consisting of four plugs with push-in connection, one for each position on the module. Suitable for all MINI Analog Pro modules.

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## UCT-EM (30X5) - Marker for end clamp

0801505

<https://www.phoenixcontact.com/us/products/0801505>



Marker for end clamp, Sheet, white, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME 2.0, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, TOPMARK NEO, TOPMARK LASER, mounting type: latching, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm

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## UCT-EM (30X5) CUS - Marker for end clamp

0801589

<https://www.phoenixcontact.com/us/products/0801589>



Marker for end clamp, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm

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## SK 5,0 WH:REEL - Marker strip

0805221

<https://www.phoenixcontact.com/us/products/0805221>



Marker strip, Roll, white, unmarked, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 90000 mm

# MINI MCR-2-UI-UI-PT - Signal conditioner



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## UC-EMLP (15X5) - Plastic label

0819301

<https://www.phoenixcontact.com/us/products/0819301>



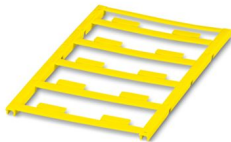
Plastic label, Sheet, white, unmarked, can be labeled with: BLUEMARK E. CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

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## UC-EMLP (15X5) YE - Plastic label

0822615

<https://www.phoenixcontact.com/us/products/0822615>



Plastic label, Sheet, yellow, unmarked, can be labeled with: BLUEMARK E. CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

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## UC-EMLP (15X5) CUS - Plastic label

0824550

<https://www.phoenixcontact.com/us/products/0824550>

Plastic label, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: adhesive, text field height: 5 mm, text field width: 15 mm



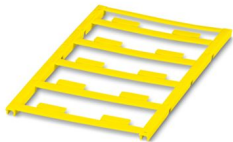
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## UC-EMLP (15X5) YE CUS - Plastic label

0824551

<https://www.phoenixcontact.com/us/products/0824551>

Plastic label, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: adhesive, text field height: 5 mm, text field width: 15 mm



# MINI MCR-2-UI-UI-PT - Signal conditioner



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## UC-EMLP (15X5) SR - Plastic label

0828095

<https://www.phoenixcontact.com/us/products/0828095>



Plastic label, Sheet, silver, unmarked, can be labeled with: BLUEMARK E. CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

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## UC-EMLP (15X5) SR CUS - Plastic label

0828099

<https://www.phoenixcontact.com/us/products/0828099>



Plastic label, can be ordered: by sheet, silver, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

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## US-EMLP (15X5) - Plastic label

0828790

<https://www.phoenixcontact.com/us/products/0828790>



Plastic label, Card, white, unmarked, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, THERMOMARK PRIME 2.0, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

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## US-EMLP (15X5) YE - Plastic label

0828873

<https://www.phoenixcontact.com/us/products/0828873>



Plastic label, Card, yellow, unmarked, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, THERMOMARK PRIME 2.0, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

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## US-EMLP (15X5) SR - Plastic label

0828874

<https://www.phoenixcontact.com/us/products/0828874>



Plastic label, Card, silver, unmarked, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, THERMOMARK PRIME 2.0, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

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## US-EMLP (15X5) CUS - Plastic label

0830076

<https://www.phoenixcontact.com/us/products/0830076>



Plastic label, Card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

# MINI MCR-2-UI-UI-PT - Signal conditioner



2902040

<https://www.phoenixcontact.com/us/products/2902040>

## US-EMLP (15X5) YE CUS - Plastic label

0830077

<https://www.phoenixcontact.com/us/products/0830077>

Plastic label, Card, can be ordered: by card, yellow, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm



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## US-EMLP (15X5) SR CUS - Plastic label

0830078

<https://www.phoenixcontact.com/us/products/0830078>

Plastic label, Card, can be ordered: by card, silver, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm



# MINI MCR-2-UI-UI-PT - Signal conditioner



2902040

<https://www.phoenixcontact.com/us/products/2902040>

## UCT-EM (30X5) YE - Marker for end clamp

0830340

<https://www.phoenixcontact.com/us/products/0830340>



Marker for end clamp, Sheet, yellow, unmarked, can be labeled with: BLUEMARK E.CARD, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME 2.0, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, TOPMARK NEO, TOPMARK LASER, mounting type: latching, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm

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## UCT-EM (30X5) YE CUS - Marker for end clamp

0830348

<https://www.phoenixcontact.com/us/products/0830348>



Marker for end clamp, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm

# MINI MCR-2-UI-UI-PT - Signal conditioner



2902040

<https://www.phoenixcontact.com/us/products/2902040>

## MINI MCR-2-PTB - Power terminal block

2902066

<https://www.phoenixcontact.com/us/products/2902066>



Power terminal with plug-in connection technology for delivering the supply voltage to the DIN rail connector. Monitoring of the supply voltages in combination with the fault monitoring module. Screw connection technology

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## MINI MCR-2-PTB-PT - Power terminal block

2902067

<https://www.phoenixcontact.com/us/products/2902067>



Power terminal with plug-in connection technology for delivering the supply voltage to the DIN rail connector. Monitoring of the supply voltages in combination with the fault monitoring module. Push-in connection technology

# MINI MCR-2-UI-UI-PT - Signal conditioner

2902040

<https://www.phoenixcontact.com/us/products/2902040>



## QUINT4-SYS-PS/1AC/24DC/2.5/SC - Power supply

2904614

<https://www.phoenixcontact.com/us/products/2904614>



Primary-switched power supply, QUINT POWER, screw connection, DIN rail mounting, supply of devices possible via the TBUS DIN rail connector, protective coating, input: single-phase, output: 24 V DC/2.5 A

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## MINI MCR-2-FM-RC - Monitoring block

2904504

<https://www.phoenixcontact.com/us/products/2904504>



Fault monitoring module with plug-in connection technology for evaluating and reporting group errors from the FM system and for monitoring the supply voltages. Error message via N/C contact. Screw connection technology, standard configuration

# MINI MCR-2-UI-UI-PT - Signal conditioner

2902040

<https://www.phoenixcontact.com/us/products/2902040>



## MINI MCR-2-FM-RC-PT - Monitoring block

2904508

<https://www.phoenixcontact.com/us/products/2904508>



Fault monitoring module with plug-in connection technology for evaluating and reporting group errors from the FM system and for monitoring the supply voltages. Error message via N/C contact. Push-in connection technology, standard configuration

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## SZS 0,6X3,5 - Screwdriver

1205053

<https://www.phoenixcontact.com/us/products/1205053>



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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