

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

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

### Product Description

Thanks to its innovative plug-in concept, the communication adapter offers a time-saving wiring solution. Eight MINI Analog Pro signal converters can be quickly and easily integrated into a Modbus/TCP network using a communication adapter. Flexible signal combinations and eliminating the need for I/O input cards saves space and money in the control cabinet.



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 STK                                                                                                   |
| GTIN                                 | <br>4 046356 996716 |
| GTIN                                 | 4046356996716                                                                                           |
| Weight per Piece (excluding packing) | 205.100 g                                                                                               |
| Custom tariff number                 | 85389099                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Note

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

#### Dimensions

|        |          |
|--------|----------|
| Width  | 51.1 mm  |
| Height | 104.1 mm |
| Depth  | 61 mm    |

#### Supply

|                              |                |
|------------------------------|----------------|
| Nominal supply voltage range | 12 V ... 24 V  |
| Supply voltage range         | 9.6 V ... 30 V |

# Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

## Technical data

### Supply

|                             |                      |
|-----------------------------|----------------------|
| Typical current consumption | 130 mA (at 9.6 V DC) |
| Power consumption           | < 1200 mW            |

### Input data

|                                |                         |
|--------------------------------|-------------------------|
| Available input sources        | floating switch contact |
|                                | Current source          |
| Number of inputs               | 8                       |
| Configurable/programmable      | Yes                     |
| Current input signal           | 4 mA ... 20 mA          |
| Maximum input current          | 24 mA                   |
| Input resistance current input | 50 $\Omega$             |
| Maximum input voltage          | 5 V                     |

### Output data

|                           |          |
|---------------------------|----------|
| Number of outputs         | 1        |
| Configurable/programmable | Yes      |
| Transmission speed        | 10 Mbps  |
|                           | 100 Mbps |
| Data update rate          | 15 ms    |

### General

|                                   |                      |
|-----------------------------------|----------------------|
| Maximum transmission error        | 0.1 %                |
| Maximum temperature coefficient   | 0.01 %               |
| Degree of protection              | IP20 (Finger safety) |
| Overvoltage category              | II                   |
| Degree of pollution               | 2                    |
| Rated insulation voltage          | 50 V <sub>rms</sub>  |
| Test voltage, input/output/supply | 0.5 kV               |
| Status display                    | Green LED            |
| Indication                        | Red LED              |
| Housing material                  | PBT 7% GF V0         |
| Mounting position                 | any                  |

### Connection data

|                     |        |
|---------------------|--------|
| Connection name     | Output |
| Connection method   | RJ45   |
| Number of positions | 8      |

### Ambient conditions

|                                          |                  |
|------------------------------------------|------------------|
| Ambient temperature (operation)          | -40 °C ... 55 °C |
| Ambient temperature (storage/transport)  | -40 °C ... 70 °C |
| Permissible humidity (operation)         | 5 % ... 95 %     |
| Permissible humidity (storage/transport) | 5 % ... 95 %     |

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## Technical data

### Ambient conditions

|                  |        |
|------------------|--------|
| Maximum altitude | 4000 m |
|------------------|--------|

### Standards and Regulations

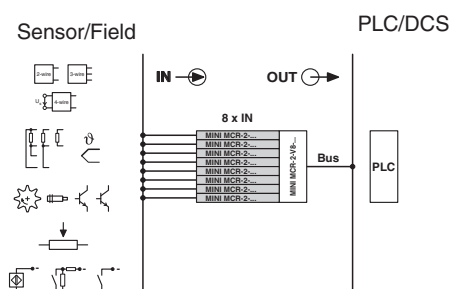
|                               |                                       |
|-------------------------------|---------------------------------------|
| Electromagnetic compatibility | Conformance with EMC directive        |
| Noise emission                | EN 61000-6-4                          |
| Conformance                   | CE-compliant                          |
| UL, USA/Canada                | UL 508 Listed                         |
|                               | Class I, Div. 2, Groups A, B, C, D T5 |
|                               | Class I, Zone 2, Group IIC T5         |
| GL                            | GL applied for                        |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Block diagram



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27242608 |
| eCl@ss 6.0 | 27242608 |
| eCl@ss 7.0 | 27242608 |
| eCl@ss 8.0 | 27242608 |
| eCl@ss 9.0 | 27242608 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001604 |
| ETIM 5.0 | EC001604 |
| ETIM 6.0 | EC001604 |

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 32151602 |
|-------------|----------|

### Approvals

#### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

UL Listed / cUL Listed / cULus Listed

### Approval details

|           |                                                                                     |                                                                                                                                                       |               |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|            |                                                                                     |                                                                                                                                                       |               |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01082 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

|              |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|
| cULus Listed |  |
|--------------|-------------------------------------------------------------------------------------|

### Accessories

#### Accessories

#### Device marking

Marker for end clamp - UCT-EM (30X5) - 0801505



Marker for end clamp, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snapped into marker carrier, lettering field size: 30 x 5 mm

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

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#### Marker for end clamp - UCT-EM (30X5) YE - 0830340



Marker for end clamp, Sheet, yellow, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snapped into marker carrier, lettering field size: 30 x 5 mm

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#### Plastic label - UC-EMLP (15X5) - 0819301



Plastic label, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: adhesive, lettering field size: 15 x 5 mm

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#### Plastic label - UC-EMLP (15X5) YE - 0822615



Plastic label, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: adhesive, lettering field size: 15 x 5 mm

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#### Plastic label - UC-EMLP (15X5) SR - 0828095



Plastic label, Sheet, silver, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: adhesive, lettering field size: 15 x 5 mm

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#### Plastic label - US-EMLP (15X5) - 0828790



Plastic label, Card, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, mounting type: adhesive, lettering field size: 15 x 5 mm

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

Plastic label - US-EMLP (15X5) YE - 0828873



Plastic label, Card, yellow, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, mounting type: adhesive, lettering field size: 15 x 5 mm

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Plastic label - US-EMLP (15X5) SR - 0828874



Plastic label, Card, silver, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, mounting type: adhesive, lettering field size: 15 x 5 mm

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### DIN rail connector

DIN rail bus connectors - ME 6,2 TBUS-2 1,5/5-ST-3,81 GN - 2869728



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

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### Evaluation unit

Monitoring module - MINI MCR-2-FM-RC - 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

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Monitoring module - MINI MCR-2-FM-RC-PT - 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

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

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

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#### Monitoring module - MINI MCR-2-FM-RC-PT - 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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### Feed-through terminal block

#### Feed-through terminal block - MINI MCR-2-TB - 2902068



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

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#### Feed-through terminal block - MINI MCR-2-TB - 2902068



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

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### Frequency transducer

#### Frequency transducer - MINI MCR-2-UI-FRO-PT - 2902032



Analog frequency transducer with limit value functionality and plug-in connection technology for converting standard signals into frequency or PWM signals. Configurable via DIP switch or software. Push-in connection technology, standard configuration.

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Frequency transducer - MINI MCR-2-UI-FRO - 2902031



Analog frequency transducer with limit value functionality and plug-in connection technology for converting standard signals into frequency or PWM signals. Configurable via DIP switch or software. Screw connection technology, standard configuration.

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#### Frequency transducer - MINI MCR-2-UI-FRO-PT-C - 2906202



Analog frequency transducer with limit value functionality and plug-in connection technology for converting standard signals into frequency or PWM signals. Configurable via DIP switch or software. Push-in connection technology, order configuration.

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#### Frequency transducer - MINI MCR-2-UI-FRO-C - 2906201



Analog frequency transducer with limit value functionality and plug-in connection technology for converting standard signals into frequency or PWM signals. Configurable via DIP switch or software. Screw connection technology, order configuration.

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#### Frequency transducer - MINI MCR-2-F-UI - 2902056



Universally configurable frequency transducer for converting frequency and PWM signals into standard signals. Sensor voltages greater than 8.2 V DC are possible in combination with MINI MCR-2-SPS 1033202. Screw connection technology.

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#### Frequency transducer - MINI MCR-2-F-UI-PT - 2902058



Universally configurable frequency transducer for converting frequency and PWM signals into standard signals. Sensor voltages greater than 8.2 V DC are possible in combination with MINI MCR-2-SPS-PT 1033201. Push-in connection technology.

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#### Isolating switch transf.

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Isolation amplifier - MINI MCR-2-NAM-2RO-PT - 2902005



Configurable NAMUR signal conditioner with plug-in connection technology for proximity sensors, floating switch contacts, and switch contacts with resistance circuit. 2 transistor outputs. Configurable via DIP switch. Push-in connection technology.

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#### Isolation amplifier - MINI MCR-2-NAM-2RO - 2902004



Configurable NAMUR signal conditioner with plug-in connection technology for proximity sensors, floating switch contacts, and switch contacts with resistance circuit. 2 transistor outputs, configurable via DIP switch. Screw connection technology.

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#### Labeled device marker

##### Marker for end clamp - UCT-EM (30X5) CUS - 0801589



Marker for end clamp, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 30 x 5 mm

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##### Marker for end clamp - UCT-EM (30X5) YE CUS - 0830348



Marker for end clamp, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 30 x 5 mm

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##### Plastic label - UC-EMLP (15X5) CUS - 0824550



Plastic label, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: adhesive, lettering field size: 15 x 5 mm

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

Plastic label - UC-EMLP (15X5) YE CUS - 0824551



Plastic label, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: adhesive, lettering field size: 15 x 5 mm

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Plastic label - UC-EMLP (15X5) SR CUS - 0828099



Plastic label, can be ordered: by sheet, silver, labeled according to customer specifications, mounting type: adhesive, lettering field size: 15 x 5 mm

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Plastic label - US-EMLP (15X5) CUS - 0830076



Plastic label, can be ordered: By card, white, labeled according to customer specifications, mounting type: adhesive, lettering field size: 15 x 5 mm

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Plastic label - US-EMLP (15X5) YE CUS - 0830077



Plastic label, can be ordered: By card, yellow, labeled according to customer specifications, mounting type: adhesive, lettering field size: 15 x 5 mm

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Plastic label - US-EMLP (15X5) SR CUS - 0830078



Plastic label, can be ordered: By card, silver, labeled according to customer specifications, mounting type: adhesive, lettering field size: 15 x 5 mm

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Potiposition transducer

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Resistance/potiposition transducer - MINI MCR-2-POT-UI-PT - 2902017



Configurable potiposition transducer with plug-in connection technology for connecting potentiometers from 0  $\Omega$  ... 100  $\Omega$  to 0 k $\Omega$  ... 100 k $\Omega$ . Configurable via DIP switch or software. push-in connection technology, standard configuration

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#### Resistance/potiposition transducer - MINI MCR-2-POT-UI - 2902016



Configurable potiposition transducer with plug-in connection technology for connecting potentiometers from 0  $\Omega$  ... 100  $\Omega$  to 0 k $\Omega$  ... 100 k $\Omega$ . Configurable via DIP switch or software. Screw connection technology, standard configuration

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#### Resistance/potiposition transducer - MINI MCR-2-POT-UI-PT-C - 2905006



Configurable potiposition transducer with plug-in connection technology for connecting potentiometers from 0  $\Omega$  ... 100  $\Omega$  to 0 k $\Omega$  ... 100 k $\Omega$ . Configurable via DIP switch or software. Push-in connection technology, order configuration

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#### Resistance/potiposition transducer - MINI MCR-2-POT-UI-C - 2905005



Configurable potiposition transducer with plug-in connection technology for connecting potentiometers from 0  $\Omega$  ... 100  $\Omega$  to 0 k $\Omega$  ... 100 k $\Omega$ . Configurable via DIP switch or software. Screw connection technology, order configuration

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### Power module

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

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

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

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#### Programming adapter

##### Adapter - IFS-BT-PROG-ADAPTER - 2905872



Bluetooth adapter with micro USB and S-PORT interface for wireless communication with the MINI Analog, MINI Analog Pro, MACX Analog, INTERFACE system gateways, and PLC logic device series.

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##### Programming adapter - IFS-USB-PROG-ADAPTER - 2811271



Programming adapter with USB interface, for programming with software. The USB driver is included in the software solutions for the products to be programmed, such as measuring transducers or motor managers.

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##### Programming adapter - TWN4 MIFARE NFC USB ADAPTER - 2909681



Near Field Communication (NFC) programming adapter with USB interface for the wireless configuration of NFC-capable products from PHOENIX CONTACT with software. No separate USB driver is required.

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#### Repeater power supplies

##### Repeater power supply - MINI MCR-2-RPSS-I-I-PT - 2902015



3-way repeater power supply with plug-in connection technology. HART-transparent, input signal 0(4)...20 mA, output signal 0(4)...20 mA. The device can be used in both isolator and repeater power supply operation. push-in connection technology

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Repeater power supply - MINI MCR-2-RPSS-I-I - 2902014



3-way repeater power supply with plug-in connection technology. HART-transparent, input signal 0(4)...20 mA, output signal 0(4)...20 mA. The device can be used in both isolator and repeater power supply operation. Screw connection technology

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#### Repeater power supply - MINI MCR-2-RPSS-I-2I-PT - 2905629



4-way power supply doubler with plug-in connection technology. HART transparent, 0(4) ... 20 mA input signal, 0(4)...20 mA output signals. The device can be used in both isolator and repeater power supply mode on active as well as passive analog input cards. Push-in connection technology.

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#### Repeater power supply - MINI MCR-2-RPSS-I-2I - 2905628



4-way power supply doubler with plug-in connection technology. HART transparent, 0(4) ... 20 mA input signal, 0(4)...20 mA output signals. The device can be used in both isolator and repeater power supply mode on active as well as passive analog input cards. Screw connection technology.

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### Signal conditioner

#### Signal conditioner - MINI MCR-2-UNI-UI-UIRO-PT - 2902028



Universally configurable 4-way signal conditioner, with switching output and plug-in connection technology for the electrical isolation of analog signals. Configurable via DIP switch or software. Push-in connection technology, standard configuration.

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#### Signal conditioner - MINI MCR-2-UNI-UI-UIRO - 2902026



Universally configurable 4-way signal conditioner, with switching output and plug-in connection technology for the electrical isolation of analog signals. Configurable via DIP switch or software. Screw connection technology, standard configuration.

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Signal conditioner - MINI MCR-2-UNI-UI-UIRO-PT-C - 2902027



Universally configurable 4-way signal conditioner, with switching output and plug-in connection technology for the electrical isolation of analog signals. Configurable via DIP switch or software. Push-in connection technology, order configuration.

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#### Signal conditioner - MINI MCR-2-UNI-UI-UIRO-C - 2902024



Universally configurable 4-way signal conditioner, with switching output and plug-in connection technology for the electrical isolation of analog signals. Configurable via DIP switch or software. Screw connection technology, order configuration.

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#### Signal conditioner - MINI MCR-2-UI-UI-PT - 2902040



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.

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#### Signal conditioner - MINI MCR-2-UI-UI - 2902037



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. Screw connection technology, standard configuration.

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#### Signal conditioner - MINI MCR-2-UI-UI-PT-C - 2902039



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, order configuration.

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Signal conditioner - MINI MCR-2-UI-UI-C - 2902036



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. Screw connection technology, order configuration.

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#### Signal conditioner - MINI MCR-2-U-UI-PT - 2902021



3-way signal conditioner, with configurable input/output, for electrical isolation and conversion of analog signals in the mV and V range, unipolar as well as bipolar. Push-in connection technology, standard configuration.

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#### Signal conditioner - MINI MCR-2-U-UI - 2902019

3-way signal conditioner, with configurable input/output, for electrical isolation and conversion of analog signals in the mV and V range, unipolar as well as bipolar. Screw connection technology, standard configuration.

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#### Signal conditioner - MINI MCR-2-U-I0-PT - 2902023



3-way signal conditioner with plug-in connection technology for the electrical isolation of analog signals. Input signal: 0 ... 10 V, output signal: 0 ... 20 mA, push-in connection technology

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#### Signal conditioner - MINI MCR-2-U-I0 - 2902022



3-way signal conditioner with plug-in connection technology for the electrical isolation of analog signals. Input signal: 0 ... 10 V, output signal: 0 ... 20 mA, screw connection technology

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#### Signal conditioner - MINI MCR-2-U-I4-PT - 2902030



3-way signal conditioner with plug-in connection technology for the electrical isolation of analog signals. Input signal: 0 ... 10 V, output signal: 4 ... 20 mA, push-in connection technology

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Signal conditioner - MINI MCR-2-U-I4 - 2902029



3-way signal conditioner with plug-in connection technology for the electrical isolation of analog signals. Input signal: 0 ... 10 V, output signal: 4 ... 20 mA, screw connection technology

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#### Signal conditioner - MINI MCR-2-I-I-PT - 2901999



3-way signal conditioner with plug-in connection technology for the electrical isolation of analog signals. Input signal: 0(4) mA ... 20 mA, output signal: 0(4) mA ... 20 mA, push-in connection technology.

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#### Signal conditioner - MINI MCR-2-I-I - 2901998



3-way signal conditioner with plug-in connection technology for the electrical isolation of analog signals. Input signal: 0(4) mA ... 20 mA, output signal: 0(4) mA ... 20 mA, screw connection technology

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#### Loop-powered isolators - MINI MCR-2-I-I-ILP-PT - 2901995



Single-channel input loop-powered 2-way isolator with plug-in connection technology for the electrical isolation of analog signals. Input signal = output signal: 0(4) mA ... 20 mA. Push-in connection technology.

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#### Loop-powered isolators - MINI MCR-2-I-I-ILP - 2901994



Single-channel input loop-powered 2-way isolator with plug-in connection technology for the electrical isolation of analog signals. Input signal = output signal: 0(4) mA ... 20 mA. Screw connection technology.

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#### Signal duplicator

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Signal duplicator - MINI MCR-2-UNI-UI-2UI-PT - 2905028



Universally configurable 4-way signal duplicator, with plug-in connection technology for the electrical isolation and duplication of analog signals. Configurable via DIP switch or software. Push-in connection technology, standard configuration.

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#### Signal duplicator - MINI MCR-2-UNI-UI-2UI - 2905026



Universally configurable 4-way signal duplicator, with plug-in connection technology for the electrical isolation and duplication of analog signals. Configurable via DIP switch or software. Screw connection technology, standard configuration.

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#### Signal duplicator - MINI MCR-2-UNI-UI-2UI-PT-C - 2905027



Universally configurable 4-way signal duplicator, with plug-in connection technology for the electrical isolation and duplication of analog signals. Configurable via DIP switch or software. Push-in connection technology, order configuration.

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#### Signal duplicator - MINI MCR-2-UNI-UI-2UI-C - 2905025



Universally configurable 4-way signal duplicator, with plug-in connection technology for the electrical isolation and duplication of analog signals. Configurable via DIP switch or software. Screw connection technology, order configuration.

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### Temperature transmitter

#### Resistance thermometer measuring transducer - MINI MCR-2-RTD-UI-PT - 2902052



Configurable temperature transducer with plug-in connection technology for connecting 2, 3, and 4-conductor resistance thermometers and resistance-type sensors. Configurable via DIP switch or software. push-in connection technology, standard configuration

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

#### Resistance thermometer measuring transducer - MINI MCR-2-RTD-UI - 2902049



Configurable temperature transducer with plug-in connection technology for connecting 2, 3, and 4-conductor resistance thermometers and resistance-type sensors. Configurable via DIP switch or software. Screw connection technology, standard configuration

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#### Resistance thermometer measuring transducer - MINI MCR-2-RTD-UI-PT-C - 2902051



Configurable temperature transducer with plug-in connection technology for connecting 2, 3, and 4-conductor resistance thermometers and resistance-type sensors. Configurable via DIP switch or software. push-in connection technology, order configuration

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#### Resistance thermometer measuring transducer - MINI MCR-2-RTD-UI-C - 2902048



Configurable temperature transducer with plug-in connection technology for connecting 2, 3, and 4-conductor resistance thermometers and resistance-type sensors. Configurable via DIP switch or software. Screw connection technology, order configuration

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#### Thermocouple measuring transducer - MINI MCR-2-TC-UI-PT - 2905249



Configurable temperature transducer with plug-in connection technology for connecting thermocouples. Configurable via DIP switch or software. Push-in connection technology, standard configuration

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#### Thermocouple measuring transducer - MINI MCR-2-TC-UI - 2902055



Configurable temperature transducer with plug-in connection technology for connecting thermocouples. Configurable via DIP switch or software. Screw connection technology, standard configuration

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

Thermocouple measuring transducer - MINI MCR-2-TC-UI-PT-C - 2905248



Configurable temperature transducer with plug-in connection technology for connecting thermocouples. Configurable via DIP switch or software. Push-in connection technology, order configuration

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Thermocouple measuring transducer - MINI MCR-2-TC-UI-C - 2902053



Configurable temperature transducer with plug-in connection technology for connecting thermocouples. Configurable via DIP switch or software. Screw connection technology, order configuration

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### Terminal marking

Marker strip - SK 5,0 WH:REEL - 0805221



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: continuous x 5 mm

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### Threshold value switch

Limit value switches - MINI MCR-2-T-REL-PT - 2905633



Universally configurable temperature limit value switch with N/O relay output for the connection of 2, 3, and 4-conductor resistance thermometers and thermocouples. Configurable via DIP switch or software. Push-in connection technology

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Limit value switches - MINI MCR-2-T-REL - 2905632



Universally configurable temperature limit value switch with N/O relay output for the connection of 2, 3, and 4-conductor resistance thermometers and thermocouples. Configurable via DIP switch or software, screw connection technology

## Communication module - MINI MCR-2-V8-MOD-TCP - 2905635

### Accessories

DIN rail bus connectors - ME 6,2 TBUS-2 1,5/5-ST-3,81 GY - 2695439



DIN rail connector (TBUS), 5-pos., for bridging the supply voltage, can be snapped onto NS 35/... DIN rails according to EN 60715

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