

# Communication module - MINI MCR-2-V8-MOD-RTU - 2905634

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

## Article 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/RTU 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

package_quantity	1
GTIN	4046356997119

## Technical data

### Note

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

Width	51.1 mm
Height	104.1 mm
Depth	56.8 mm

### Supply

Nominal supply voltage range	12 V ... 24 V
Supply voltage range	9.6 V ... 30 V
Typical current consumption	110 mA (at 9.6 V DC)
Power consumption	< 1000 mW

### Input data

Available input sources	floating switch contact
Available input sources	Current source
Number of inputs	8
Configurable/programmable	Yes
Current input signal	4 mA ... 20 mA

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## Technical data

### Input data

Maximum input current	24 mA
Input resistance current input	50 Ω
Maximum input voltage	5 V

### Output data

Number of outputs	1
Configurable/programmable	Yes
Transmission speed	1.2 kbps
Transmission speed	2.4 kbps
Transmission speed	4.8 kbps
Transmission speed	9.6 kbps
Transmission speed	19.2 kbps
Transmission speed	38.4 kbps
Transmission speed	57.6 kbps
Transmission speed	115.2 kbps
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	D-SUB socket strip
Number of positions	9

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
Maximum altitude	4000 m

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC directive
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### Standards and Regulations

<b>Noise emission</b>	EN 61000-6-4
<b>Conformance</b>	CE-compliant
<b>UL, USA/Canada</b>	UL 61010 Listed
<b>UL, USA/Canada</b>	Class I, Div. 2, Groups A, B, C, D T5
<b>UL, USA/Canada</b>	Class I, Zone 2, Group IIC T5
<b>GL</b>	GL applied for

### Environmental Product Compliance

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

## Classifications

### eCl@ss

<b>eCl@ss 5.1</b>	27242608
<b>eCl@ss 6.0</b>	27242608
<b>eCl@ss 7.0</b>	27242608
<b>eCl@ss 8.0</b>	27242608
<b>eCl@ss 9.0</b>	27242608

### ETIM

<b>ETIM 3.0</b>	EC001604
<b>ETIM 4.0</b>	EC001604
<b>ETIM 5.0</b>	EC001604
<b>ETIM 6.0</b>	EC001604


### UNSPSC


<b>UNSPSC 13.2</b>	32151602
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## Approvals


UL Listed / cUL Listed / cULus Listed / UL Listed / cUL Listed / cULus Listed /

### Approval details

**UL Listed** 

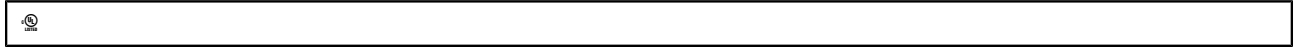
**cUL Listed** 

**cULus Listed** 



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### Approvals



### Accessories

#### DIN rail connector

ME 6,2 TBUS-2 1,5/5-ST-3,81 GN - 2869728



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#### Power module

MINI MCR-2-PTB - 2902066



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MINI MCR-2-PTB-PT - 2902067



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#### Feed-through terminal block

MINI MCR-2-TB - 2902068



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### Accessories

MINI MCR-2-TB - 2902068



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### Evaluation unit

MINI MCR-2-FM-RC - 2904504



MINI MCR-2-FM-RC-PT - 2904508



MINI MCR-2-FM-RC - 2904504



MINI MCR-2-FM-RC-PT - 2904508



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### Programming adapter

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### Accessories

IFS-BT-PROG-ADAPTER - 2905872



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IFS-USB-PROG-ADAPTER - 2811271



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NFC-USB-PROG-ADAPTER - 2900013



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### Device marking

UCT-EM (30X5) - 0801505



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UCT-EM (30X5) YE - 0830340



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### Accessories

UC-EMLP (15X5) - 0819301



UC-EMLP (15X5) YE - 0822615



UC-EMLP (15X5) SR - 0828095



US-EMLP (15X5) - 0828790



US-EMLP (15X5) YE - 0828873



US-EMLP (15X5) SR - 0828874



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## Accessories

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### Labeled device marker

UCT-EM (30X5) CUS - 0801589



UCT-EM (30X5) YE CUS - 0830348



UC-EMLP (15X5) CUS - 0824550



UC-EMLP (15X5) YE CUS - 0824551



UC-EMLP (15X5) SR CUS - 0828099





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### Accessories

US-EMLP (15X5) CUS - 0830076



US-EMLP (15X5) YE CUS - 0830077



US-EMLP (15X5) SR CUS - 0830078



### Terminal marking

SK 5,0 WH:REEL - 0805221



### Signal conditioner

MINI MCR-2-UNI-UI-UIRO-PT - 2902028



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### Accessories

MINI MCR-2-UNI-UI-UIRO - 2902026



MINI MCR-2-UNI-UI-UIRO-PT-C - 2902027



MINI MCR-2-UNI-UI-UIRO-C - 2902024



MINI MCR-2-UI-UI-PT - 2902040



MINI MCR-2-UI-UI - 2902037



MINI MCR-2-UI-UI-PT-C - 2902039



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### Accessories

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MINI MCR-2-UI-UI-C - 2902036



MINI MCR-2-U-UI-PT - 2902021



MINI MCR-2-U-UI - 2902019



MINI MCR-2-U-I0-PT - 2902023



MINI MCR-2-U-I0 - 2902022



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### Accessories

MINI MCR-2-U-I4-PT - 2902030



MINI MCR-2-U-I4 - 2902029



MINI MCR-2-I-I-PT - 2901999



MINI MCR-2-I-I - 2901998



MINI MCR-2-I-I-ILP-PT - 2901995



MINI MCR-2-I-I-ILP - 2901994



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### Accessories

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#### Signal duplicator

MINI MCR-2-UNI-UI-2UI-PT - 2905028



MINI MCR-2-UNI-UI-2UI - 2905026



MINI MCR-2-UNI-UI-2UI-PT-C - 2905027



MINI MCR-2-UNI-UI-2UI-C - 2905025



#### Repeater power supplies

MINI MCR-2-RPSS-I-I-PT - 2902015



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### Accessories

MINI MCR-2-RPSS-I-I - 2902014



MINI MCR-2-RPSS-I-2I-PT - 2905629



MINI MCR-2-RPSS-I-2I - 2905628

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### Temperature transmitter

MINI MCR-2-RTD-UI-PT - 2902052



MINI MCR-2-RTD-UI - 2902049



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### Accessories

MINI MCR-2-RTD-UI-PT-C - 2902051



MINI MCR-2-RTD-UI-C - 2902048



MINI MCR-2-TC-UI-PT - 2905249



MINI MCR-2-TC-UI - 2902055



MINI MCR-2-TC-UI-PT-C - 2905248



MINI MCR-2-TC-UI-C - 2902053



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## Accessories

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### Threshold value switch

MINI MCR-2-T-REL-PT - 2905633



MINI MCR-2-T-REL - 2905632



### Frequency transducer

MINI MCR-2-UI-FRO-PT - 2902032



MINI MCR-2-UI-FRO - 2902031



MINI MCR-2-UI-FRO-PT-C - 2906202





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### Accessories

MINI MCR-2-UI-FRO-C - 2906201



MINI MCR-2-F-UI - 2902056



MINI MCR-2-F-UI-PT - 2902058



### Potiposition transducer

MINI MCR-2-POT-UI-PT - 2902017



MINI MCR-2-POT-UI - 2902016



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### Accessories

MINI MCR-2-POT-UI-PT-C - 2905006



MINI MCR-2-POT-UI-C - 2905005



### Isolating switch transf.

MINI MCR-2-NAM-2RO-PT - 2902005



MINI MCR-2-NAM-2RO - 2902004



### Accessories

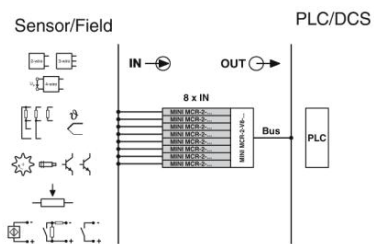
ME 6,2 TBUS-2 1,5/5-ST-3,81 GY - 2695439



### Drawings

# Communication module - MINI MCR-2-V8-MOD-RTU - 2905634

## Block diagram



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