

# Communication module - MINI MCR-2-V8-PB-DP - 2905636

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Eight MINI Analog Pro signal conditioners and measuring transducers can be quickly and easily integrated into a PROFIBUS DP 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 PROFIBUS DP 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

<b>package_quantity</b>	1
<b>GTIN</b>	4046356996723

## Technical data

### Note

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

<b>Width</b>	51.1 mm
<b>Height</b>	104.1 mm
<b>Depth</b>	56.8 mm

### Supply

<b>Nominal supply voltage range</b>	12 V ... 24 V
<b>Supply voltage range</b>	9.6 V ... 30 V
<b>Typical current consumption</b>	160 mA (at 9.6 V DC)
<b>Power consumption</b>	< 700 mW

### Input data

<b>Available input sources</b>	floating switch contact
<b>Available input sources</b>	Current source
<b>Number of inputs</b>	8
<b>Configurable/programmable</b>	Yes
<b>Current input signal</b>	4 mA ... 20 mA
<b>Maximum input current</b>	24 mA
<b>Input resistance current input</b>	50 Ω
<b>Maximum input voltage</b>	5 V

# Communication module - MINI MCR-2-V8-PB-DP - 2905636

## Technical data

### Output data

Number of outputs	1
Configurable/programmable	Yes
Transmission speed	12 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	D-SUB socket strip
Number of positions	9

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °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
Noise emission	EN 61000-6-4
Conformance	CE-compliant
UL, USA/Canada	UL 61010 Listed
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D T5
UL, USA/Canada	Class I, Zone 2, Group IIC T5
GL	GL applied for

### Environmental Product Compliance

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

# Communication module - MINI MCR-2-V8-PB-DP - 2905636

## 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

### UNSPSC

UNSPSC 13.2	32151602
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## Approvals

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

### Approval details

UL Listed

cUL Listed

cULus Listed

PROFIBUS

## Accessories

### DIN rail connector

## Communication module - MINI MCR-2-V8-PB-DP - 2905636

### Accessories

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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MINI MCR-2-TB - 2902068



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### Evaluation unit

## Communication module - MINI MCR-2-V8-PB-DP - 2905636

### Accessories

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



### Programming adapter

IFS-BT-PROG-ADAPTER - 2905872



## Communication module - MINI MCR-2-V8-PB-DP - 2905636

### Accessories

IFS-USB-PROG-ADAPTER - 2811271



NFC-USB-PROG-ADAPTER - 2900013



### Device marking

UCT-EM (30X5) - 0801505



UCT-EM (30X5) YE - 0830340



UC-EMLP (15X5) - 0819301



## Communication module - MINI MCR-2-V8-PB-DP - 2905636

### Accessories

UC-EMLP (15X5) YE - 0822615



UC-EMLP (15X5) SR - 0828095



US-EMLP (15X5) - 0828790



US-EMLP (15X5) YE - 0828873



US-EMLP (15X5) SR - 0828874



**Labeled device marker**

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### Accessories

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



US-EMLP (15X5) CUS - 0830076





## Communication module - MINI MCR-2-V8-PB-DP - 2905636

### Accessories

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US-EMLP (15X5) YE CUS - 0830077



US-EMLP (15X5) SR CUS - 0830078



### Terminal marking

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SK 5,0 WH:REEL - 0805221



### Signal conditioner

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



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



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### Accessories

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



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



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### Accessories

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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



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



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### Accessories

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



### Signal duplicator

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### Accessories

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

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