

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



2905637

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

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.



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

## Commercial data

Item number	2905637
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C404
Product key	DK112Z
GTIN	4046356996747
Weight per piece (including packing)	202.8 g
Weight per piece (excluding packing)	115.1 g
Customs tariff number	85176200
Country of origin	DE

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



2905637

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

## Technical data

### Product properties

Product type	Communication module
Product family	MINI Analog Pro

### Insulation characteristics: GB Standard

Overvoltage category	II
Pollution degree	2

### Electrical properties

Rated insulation voltage	50 V <sub>rms</sub>
Test voltage, input/output/supply	0.5 kV
Maximum temperature coefficient	0.01 %
Maximum transmission error	0.1 %

### Supply

Nominal supply voltage range	12 V ... 24 V
Supply voltage range	9.6 V ... 30 V
Typical current consumption	160 mA (at 9.6 V DC)
Power consumption	< 1500 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 Ω
Maximum input voltage	5 V

### Output data

Protocols supported	PROFINET IRT
Note	CC-C
	MRP
	S2 redundancy
Number of outputs	2 (Daisy-chaining outbound via port 2 possible)
Configurable/programmable	Yes
Transmission speed	100 Mbps
Data update rate	15 ms

### Connection data

#### Output

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



2905637

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

Connection method	RJ45
Number of positions	8

## Ex data

Ex installation (EPL)	Gc
	Div. 2

## Signaling

Status display	LED (green)
Error indication	Red LED

## Dimensions

Width	51.1 mm
Height	104.1 mm
Depth	61 mm

## Material specifications

Color	gray (RAL 7042)
Housing material	PBT 7 % GF V0

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20 (Finger safety)
Ambient temperature (operation)	-40 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	4000 m
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %

## Approvals

### CE

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

### ATEX

Identification	⊕ II 3 G Ex ec IIC T4 Gc
Certificate	BVS 21 ATEX E 064 X

### IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX BVS 21.0071X

### CCC / China-Ex

Identification	Ex ec IIC T4 Gc
Certificate	2022122308115724

### UL, USA/Canada

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



2905637

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

Identification	UL 508 Listed
	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, Group IIC T4

## EAC Ex

Identification	Ex ec IIC T4 Gc
Certificate	BY/112 02.01 TP012 103.01 00081

## 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
-----------------------	--------------

## Standards and regulations

### GB Standard

Standards/regulations	GB/T 3836.1
	GB/T 3836.3

## Mounting

Mounting type	Plug-on assembly
Mounting position	any

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




2905637

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

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2905637>


 **UL Listed**  
Approval ID: E238705

 **cUL Listed**  
Approval ID: E238705


**PROFINET**  
Approval ID: Z12449

 **cUL Listed**  
Approval ID: E196811

 **UL Listed**  
Approval ID: E196811

 **CCC**  
Approval ID: 2022122308115724

 **IECEx**  
Approval ID: IECExBVS21.0071X

 **ATEX**  
Approval ID: BVS21ATEXE064X00en

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



2905637

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

## Classifications

### ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

### ETIM

ETIM 10.0	EC001604
-----------	----------

### UNSPSC

UNSPSC 21.0	32151600
-------------	----------

2905637

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

## 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: 7439-92-1)
SCIP	cc8f6d9e-e506-4b38-ab94-6e564fdaa213

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)