

# MACX MCR-I20 - Plug

2905680

<https://www.phoenixcontact.com/us/products/2905680>



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Connection terminal block for current signals, +20 mA ... -20 mA, for safe switching of limit values, in combination with MACX ...-T-UI... temperature transducers.

## Commercial data

Item number	2905680
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C430
Product key	CK31ZZ
Catalog page	Page 139 (C-5-2017)
GTIN	4046356987172
Weight per piece (including packing)	39.8 g
Weight per piece (excluding packing)	20 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Plug
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### Electrical properties

Maximum transmission error	1.1 %
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### Connection data

Connection method	Screw connection
Screw thread	M3
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 14

### Material specifications

Color	light grey (RAL 7035)
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### Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	typ. 5 % ... 95 % (non-condensing)

### Approvals

CE	
Certificate	CE-compliant

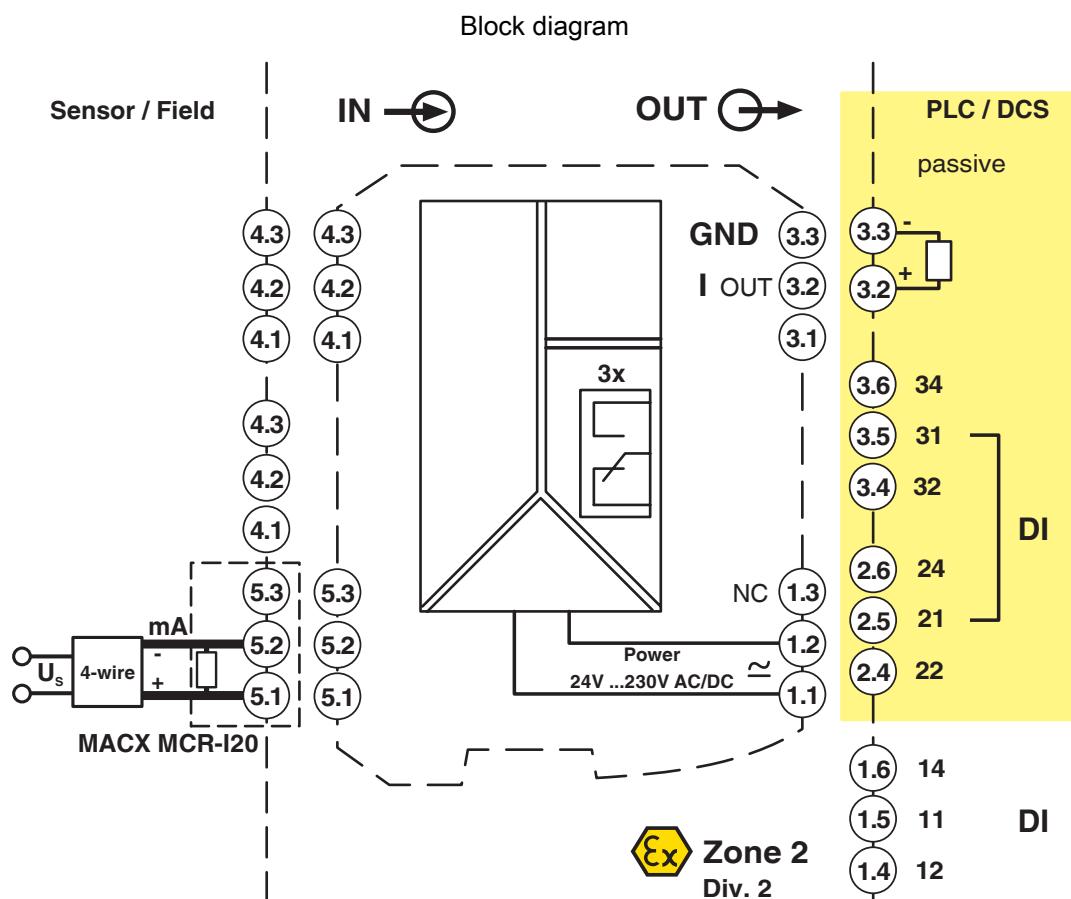
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## Drawings





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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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## Mandatory accessories

MACX MCR-T-UIREL-UP - Temperature measuring transducer

2811378

<https://www.phoenixcontact.com/us/products/2811378>



Freely programmable temperature transducer with analog output and 3 limit value relays, standard configuration, resistance thermometer in 2-, 3-, or 4-conductor technology, thermocouples, electrical isolation, wide-range power supply, screw connection, SIL, PL.

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MACX MCR-T-UIREL-UP-SP - Temperature measuring transducer

2811828

<https://www.phoenixcontact.com/us/products/2811828>



Freely programmable temperature transducer with analog output and 3 limit value relays, standard configuration, resistance thermometer in 2-, 3-, or 4-conductor technology, thermocouples, electrical isolation, wide-range power supply, Push-in connection, SIL, PL.

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## MACX MCR-T-UI-UP - Temperature measuring transducer

2811394

<https://www.phoenixcontact.com/us/products/2811394>



Freely programmable temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2-, 3-, or 4-conductor technology, thermocouples, electrical isolation, wide-range power supply, screw connection, SIL, PL.

## MACX MCR-T-UI-UP-SP - Temperature measuring transducer

2811860

<https://www.phoenixcontact.com/us/products/2811860>



Freely programmable temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2-, 3-, or 4-conductor technology, thermocouples, electrical isolation, wide-range power supply, Push-in connection, SIL, PL.

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## MACX MCR-T-UI-UP-C - Temperature measuring transducer

2811873

<https://www.phoenixcontact.com/us/products/2811873>



Freely programmable temperature transducer with analog output and 1 limit value relay, order configuration, resistance thermometer in 2-, 3-, or 4-conductor technology, thermocouples, electrical isolation, wide-range power supply, screw connection, SIL, PL.

## MACX MCR-T-UI-UP-SP-C - Temperature measuring transducer

2811970

<https://www.phoenixcontact.com/us/products/2811970>



Freely programmable temperature transducer with analog output and 1 limit value relay, order configuration, resistance thermometer in 2-, 3-, or 4-conductor technology, thermocouples, electrical isolation, wide-range power supply, Push-in connection, SIL, PL.

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