

MCR-CP-I/...-ST 2

with signal conversion: 0(4)...20 mA / 0(4)...20 mA
0...20 mA / 0-10 V

(IEC)	rigid	flexible
[mm ²]	solid	stranded AWG

Connection data

UEGM housing	0.2-2.5	0.2-2.5	24-14
Base terminal blocks	0.2-4	0.2-4	24-12

Description	Input signal I_E	Output signal I_A/U_A	Type	Order No.	Pcs. Pkt.
MCR (passive)	0(4)...20 mA	0(4)...20 mA	MCR-CP-I/I-00-ST 2	27 69 90 9	1
loop-powered isolator, for analog signal isolation without additional energy	0...20 mA	0...10 V	MCR-CP-I/U-0-ST 2	27 69 91 2	1

Accessories

Base termination blocks, with screw connection on both sides, complete with end cover, for MCR-CP-I/I-00-ST 2...	URELG 2-PMTK	28 20 83 5	10
	UDK-RELG 2	27 77 03 0	10
	URELG 2	28 20 26 2	10
	RELG 2	28 20 02 6	10

Technical data

Technical data	MCR-CP-I/I-00-ST 2	MCR-CP-I/U-0-ST 2
Measurement (input)		
Input signal	0(4)...20 mA	0...20 mA
Response signal	< 20 μ A, typ. 5 μ A	< 20 μ A, typ. 5 μ A
Max. input current I_E	50 mA	50 mA
Max. input voltage	18 V	18 V
Min. input voltage U_E	2.0 V	2.0 V
Voltage dissipation U_V	< 2.0 V	< 2.0 V
Measurement (output)		
Output signal	0(4)...20 mA	0-10 V
Output voltage	$U_A = I_A \times R_B$	–
Transmission error	0.1 % at 100 Ω	0.2 % at 1 M Ω

Line/load resistance	$\leq 500 \Omega$	$\geq 1 \text{ M}\Omega$
Influence line/load resistance	- 0.0005 %/ Ω	- 0.005 %/ $\text{k}\Omega$
Temperature coefficient	$\leq 0.01 \text{ %/K}$	$\leq 0.01 \text{ %/K}$
Limit frequency	30 Hz	30 Hz
Test voltage: input/output	500 V, 50 Hz, 1 min.	500 V, 50 Hz, 1 min.
Ambient temperature range	- 20°C to + 65°C	- 20°C to + 65°C

General data

Type of protection	IP 20	IP 20
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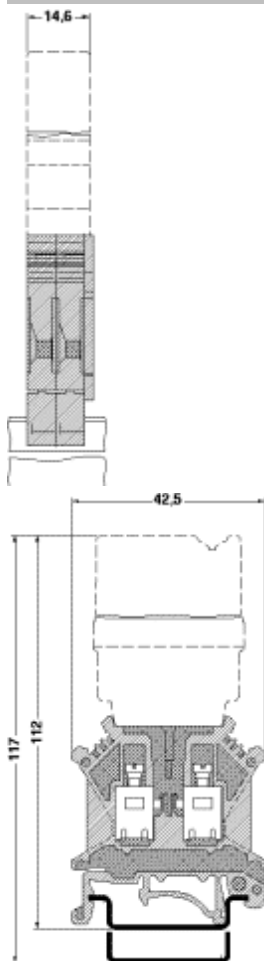
Type of housing

Polyamide PA non-reinforced, see [product-line info](#)

color: green

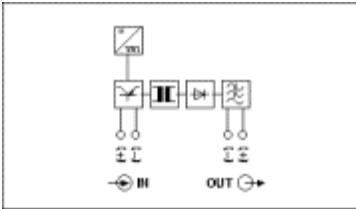
Torque value of terminals, see [product-line info](#).

The rated cross section (see [product-line info](#)) refers to untreated conductors without ferrules.

Dimensional drawing**Block diagram**

URELG...

Input voltage dependent on the line/load resistance



Diagram

