

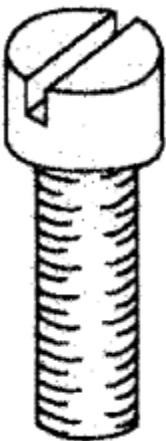
MCR-S.../UI.../DC



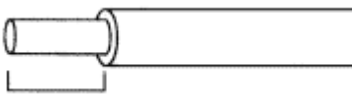
with signal conversion:

0...20 A / 0...10 V; / 0...20 mA / 4...20 mA	0...50 A / 0...10 V; / 0...20 mA / 4...20 mA	0...75 A / 0...10 V / 0...20 mA / 4...20 mA
--	--	---

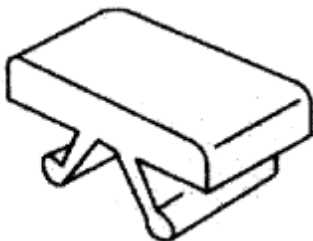
1) **A** 2) **V**



M 3



8



"...5"

	(IEC)	rigid	flexible
	[mm ²]	solid	stranded AWG
Connection data		0.2-2.5	0.2-2.5 24-14

Description	Input current	Output signal	Module width B [mm]	Type	Order No.	Pcs. Pkt.
MCR current transducer , for converting AC and DC currents, with galvanic isolation power supply	0...20 A	0...10 V/ 0...20 mA	40	MCR-S20/U/I-0/DC ^{1) 2)}	28 08 89 9	1
		0...10 V/ 4...20 mA		MCR-S20/U/I-4/DC ^{1) 2)}	28 08 90 9	1
	0...50 A	0...10 V/ 0...20 mA		MCR-S50/U/I-0/DC ^{1) 2)}	28 08 97 0	1
		0...10 V/ 4...20 mA		MCR-S50/U/I-4/DC ^{1) 2)}	28 08 98 3	1
	0...75 A	0...10 V/ 0...20 mA		MCR-S75/U/I-0/DC	28 08 62 4	1
		0...10 V/ 4...20 mA		MCR-S75/U/I-4/DC	28 08 63 7	1

Technical data	MCR-.../U/I.../DC		
	S20...	S50...	S75...
Measurement (input)			
Input current (AC/DC)	0...20A	0...50A	0...75A
Type of connection	through conductor 8 mm Ø		
Frequency range	20 Hz ... 1 kHz /DC		
Measurement (output)			
Output voltage / Line/load resistance	0...10 V / ≥ 2 kΩ	0...10 V / ≥ 2 kΩ	0...10 V / ≥ 2 kΩ
Output current / Line/load resistance	0(4)...20mA/≤ 500 Ω	0(4)...20mA/≤ 500 Ω	0(4)...20mA/≤ 500 Ω
Operate time	≤ 350 ms	≤ 350 ms	≤ 350 ms
General data			
Supply voltage	24 V DC ± 10 %	24 V DC ± 10 %	24 V DC ± 10 %
Current consumption	≤ 90 mA	≤ 90 mA	≤ 90 mA
Setpoint adjustment			
Linearization error	1.0 % of end value	1.0 % of end value	1.0 % of end value
Offset error	0.5 % of end value	0.5 % of end value	0.5 % of end value
Scale factor error	0.5 % of M.V.	0.5 % of M.V.	0.5 % of M.V.
Temperature coefficient	≤ 0.035 %/K	≤ 0.035 %/K	≤ 0.035 %/K
Ambient temperature range	0 °C to 55 °C	0 °C to 55 °C	0 °C to 55 °C
Installation position	vertical	vertical	vertical
Standards/regulations	DIN VDE 0160:1988-05; IEC 664/IEC 664A/DIN VDE 0110:1989-01;		
Electromagnetic compatibility	C - in conformance with EMC guideline 89/336/EEC		
• Emitted interference	EN 50 081-2	EN 50 081-2	EN 50 081-2
• Immunity	EN 50 082-2	EN 50 082-2	EN 50 082-2

Note: Supplementary technical data on request!

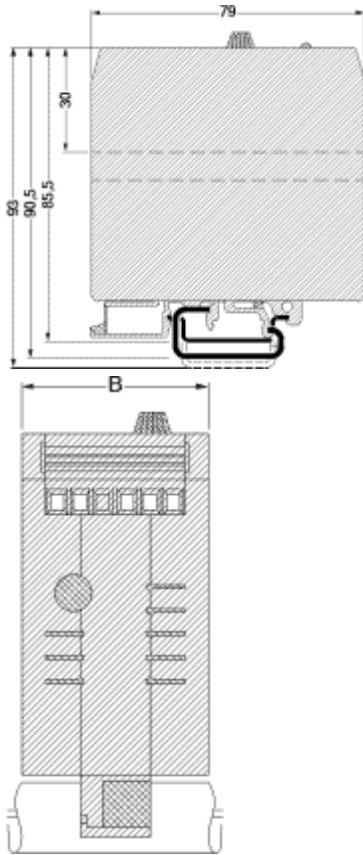
Type of housing

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

