

BA050100**MEASURING TRANSDUCERS • MEASURING TRANSDUCERS****MECHANICAL DATA**

Ambient temperature (MAX)	60 °C
Ambient temperature (MIN)	-20 °C
Degree of protection (IP)	IP20
Degree of protection (IP), front side	IP65
Height	48 mm
Housing material	Noryl UL94
Length	116 mm
Mounting method	Front mounting
Storage temperature	70 °C
Storage temperature	-25 °C
Suitable for serial installation	No
Width	96 mm

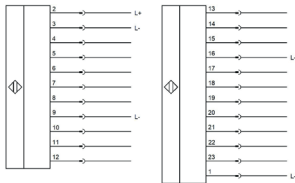
ELECTRICAL DATA

Analog input, current	Yes
Analog input, voltage	Yes
Analog output, current	Yes
Analog output, voltage	Yes
Difference function	Yes
Digital resolution	16 Bit
Display	LCD
End value measuring range, current	0.02 A
Initial value of measuring range, current	0 A
Integrated configuration function	No
Max. output current	200 mA
No-load current	100 mA
Number of decades	8
Number of switching outputs	4
Rated control supply voltage U_s at DC (MAX)	30 V
Rated control supply voltage U_s at DC (MIN)	18 V
Relative measurement accuracy	0.1 %

ELECTRICAL DATA

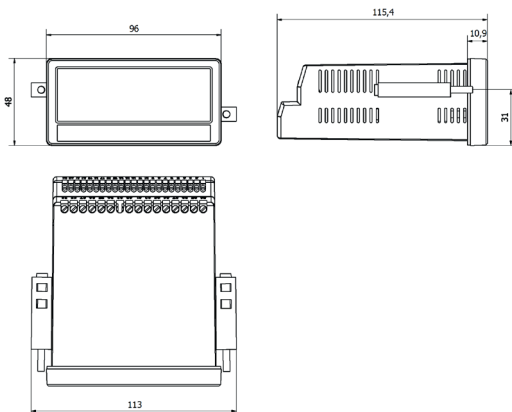
Resistance of current input	120 Ohm
Resistance of voltage input	50 kOhm
Response time	53 ms
Reverse polarity protection	Yes
Setting procedure	Parameterization
Short-circuit-proof	Yes
Transducer power supply current	250 mA
Transducer power supply voltage	24 V
Type of analog input	0 V ... 10 V / 4 mA ... 20 mA / 0 ... 20 mA
Type of analog output	0 V ... 10 V / 4 mA ... 20 mA
Type of electrical connection	Clamp
Type of switching function	Programmable/configurable
Type of switching output	PNP
Voltage type	DC
Voltage type of transducer power supply	DC
With LED display	Yes
With switching output	Yes

CONNECTION



Colors: Functions: 1 = L-, 2 = L+, 3 = L-, 4 = Aux. Out, 5 = AGND, 6 = Input 1, 7 = Input 2, 8 = Ref. Out, 9 = L-, 10 = Ctrl. In 1, 11 = Ctrl. In 2, 12 = Ctrl. In 3, 13 = AGND, 14 = 20mA, 15 = +/-10V, 16 = L-, 17 = RxD, 18 = TxD, 19 = Com +, 20 = Ctrl. Out 1, 21 = Ctrl. Out

DIMENSIONAL DRAWING



INSTALLATION

DISPOSAL



Mounting / Installation may only be carried out by a qualified electrician!

**SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.