

**BA960901****MEASURING TRANSDUCERS • MEASURING TRANSDUCERS****MECHANICAL DATA**

|                                       |                |
|---------------------------------------|----------------|
| Ambient temperature (MAX)             | 50 °C          |
| Ambient temperature (MIN)             | -20 °C         |
| Degree of protection (IP)             | IP20           |
| Degree of protection (IP), front side | IP54           |
| Height                                | 96 mm          |
| Housing material                      | PC             |
| Length                                | 114 mm         |
| Mounting method                       | Front mounting |
| Suitable for serial installation      | Yes            |
| Width                                 | 96 mm          |

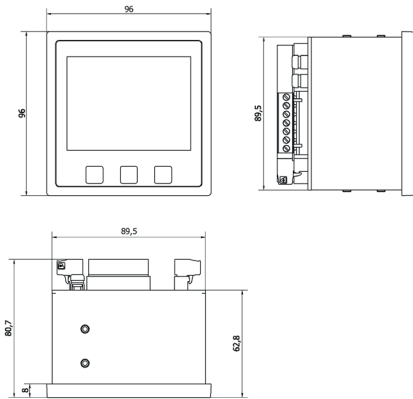
**ELECTRICAL DATA**

|  |         |
|--|---------|
| Analog input, current                          | Yes     |
| Analog input, voltage                          | Yes     |
| Analog output, current                         | Yes     |
| Analog output, voltage                         | Yes     |
| Characteristic curve deviation                 | 0.05 %  |
| Decay time                                     | 20 ms   |
| Digital resolution                             | 14 Bit  |
| Display  | LCD     |
| End value measuring range, current             | 0.02 A  |
| Initial value of measuring range, current      | 0 A     |
| Integrated configuration function              | Yes     |
| Max. continuous current                        | 6 A     |
| Max. output current                            | 6000 mA |
| Max. switching capacity                        | 180 W   |
| Max. switching current                         | 10 A    |
| Number of switching outputs                    | 4       |
| Power consumption                              | 5 VA    |
| Rated control supply voltage $U_s$ at DC (MAX) | 36 V    |
| Rated control supply voltage $U_s$ at DC (MIN) | 18 V    |

## ELECTRICAL DATA

|   |   |
|---|---|
| Relative measurement accuracy           | 0.4 %                                       |
| Resistance of current input             | 50 Ohm                                      |
| Resistance of voltage input             | 100 kOhm                                    |
| Response time                           | 20 ms                                       |
| Reverse polarity protection             | Yes   |
| Setting procedure                       | Parameterization                            |
| Short-circuit-proof                     | Yes   |
| Suitable as 2-point control             | Yes   |
| Temperature drift                       | 0.1 %/K                                     |
| Transducer power supply current         | 35 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              | Normally open contact (NO)                  |
| Type of switching output                | Relay contact                               |
| USB interface                           | Yes   |
| Voltage type                            | DC  |
| Voltage type of transducer power supply | DC  |
| With switching output                   | Yes   |

## DIMENSIONAL DRAWING



## INSTALLATION



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

## DISPOSAL



## 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.