

## Measuring transducer for PT1000/PT100



- Important: When operating in parallel with 24V AC, the in-phase connection is required, otherwise there is a risk of short circuit
- The units are designed for operation on protective extra-low voltage
- When connecting the devices, the technical data in the data sheet apply, especially with passive sensors such as the PT1000 in two-wire version, the power resistance of the supply line must be taken into account. This may have to be corrected in the evaluation electronics
- As a result of self-heating, the measuring current influences the Accuracy of the measurement
- Installation and assembly may only be carried out by trained specialists

### Technical data:

Temperature sensor	PT1000 / PT100	
Sensor circuit type	2-/3-wire connection	
Measuring ranges	see settings	
Potentiometer	± 8°K	
Temperature tolerance	± 0,5°K	
Connection	Screw terminals 1,5 mm <sup>2</sup>	
Temperature range	-40°C...+85°C	
Output	Typ I - 4...20 mA	Typ U - 0...10V
Perm. Operating voltage	Typ I - 12...24V DC	Typ U - 12...24V AC/DC
Last	Typ I - 250...600 Ohm	Typ U - 10...100 kOhm
Connection	Typ I und Typ U - 3-wire	
Dimension / Housing	79 x 53 x 15mm / PC-F Polycarbonat	
Mounting	Top hat rail	
Protection class	IP20	

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