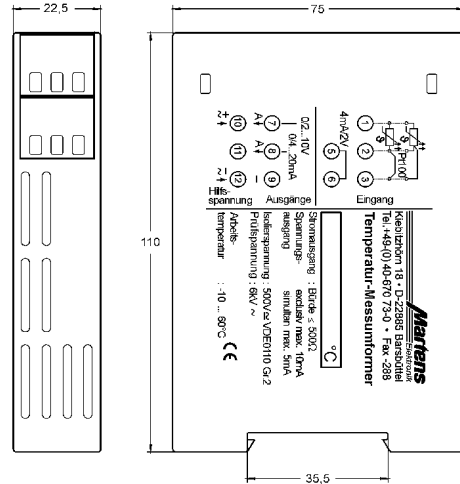


Product Information

Temperature Transmitter MU500L



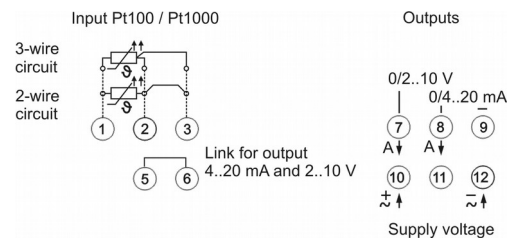
Dimensions



Characteristics

Temperature transmitter MU500L accept field signals of Pt100 or Pt1000 RTD sensors to the input which is filtered, isolated and converted into industry standard signals for process control systems. Special circuit design makes it possible, to produce any useful measurement ranges.

Connection diagram



Technical data

Power supply
 Supply voltage : 230 V AC $\pm 10\%$; 24 V DC $\pm 20\%$
 Frequency AC : 47..63 Hz
 Power consumption : <math>< 1.5\text{ VA}</math>
 Operating temperature : -10..+60 °C
 CE- conformity : EN55022, EN60555
 IEC61000-4-3/4/5/11/13

Measuring input *
 Start value Pt100 : in the range -100 °C.. +100 °C
 Span Pt100 : in the range 50..600 °C
 Start value Pt1000 : in the range -50 °C..+50 °C
 Span Pt1000 : in the range 10..200 °C
 Sensor current : ca. 0.6 mA (no self heating)
 Line resistance : max. 10 Ω , automatic compensation at 3-wire connection

Start value adjustment : approx. ± 10 °C
 4mA /2V adjustment : approx. ± 1 mA or ± 0.5 V
 Span : approx. $\pm 10\%$
 Broken line : output shows max. value
 short circuit : output shows min. value

Outputs
 Current : 0/4..20 mA, max. 500 Ω
 Voltage : 0/2..10 V, max. 10 mA, simultaneously to the current output max. 1 mA

Accuracy : $\leq 0.2\%$
 Temperature error : $\leq 0.01\%/K$
Case : PC, UL94V-0
 acc. to DIN EN 60715:2001-09

Weight : approx. 140g
 Connection : screw terminals with pressure plate, max. 2.5 mm²
 Protection class : case IP30, terminals IP20, BGVA3

*Minimal and maximal range for start value and span of the measuring range.

Ordering code

1. 2. 3.
MU500L - - -

1. Device type	
51	Pt100
53	Pt1000
2. Supply voltage	
0	230 V AC $\pm 10\%$
5	24 V DC $\pm 15\%$
3. Measuring range	
Please state in clear text e. g.: -50..+100 °C	