

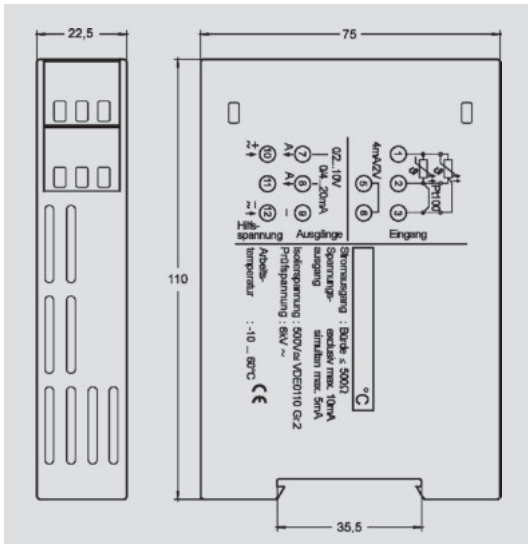
Temperature measuring transducer TS-MU500L

Messumformer für Platin-Temperaturfühler zur Hutschienenmontage

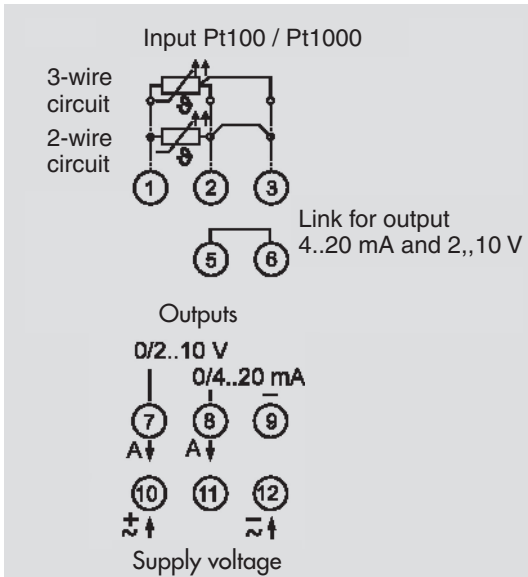


Dimensional drawing

TS35 DIN rail mounting



Connection diagram



Description

Transmitters TS-MU500L converts the resistance of platinum resistance temperature probes into normalized standard signals. The universal signal conditioning enables the configuration of any measuring range. Output current and voltage are simultaneously available.

Technical data	Type: TS-MU500L
Power supply	
Supply voltage	230 V AC $\pm 10\%$; 24 V DC $\pm 20\%$
Frequency AC	47 ... 63 Hz
Power consumption	< 1.5 VA
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 ... +100 °C
Span Pt100	in the range -50 ... +600 °C
Start value Pt1000	in the range -50 ... +50 °C
Span Pt1000	in the range -10 ... +200 °C
Sensor current	approx. 0,6 mA (no self-heating)
Line resistance	max. 10 Ω , automatic compensation at 3-wire connection
Start value adjustment	approx. ± 10 °C
4 mA / 2 V adjustment	approx. ± 1 mA respectively $\pm 0,5$ 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 DC, max. 10 mA, simultaneously to the current output max. 1 mA
Total error	$\leq 0,2\%$
Temperature error	$\leq 0,01\%/K$
Housing	Polycarbonate, UL94 V-0, TS35 acc. to DIN EN 60715:2001-09
Weight	Approx. 140 g
Connection	screw terminals with pressure plate, max. 2.5 mm ²
Protection class	case IP30, terminals IP20, BGVA3

Type designation codes

Type:

TS-MU500L - **53** - **0** - **-50+100 °C**

E.g.: TS-MU500L-53-0--50+100

- Device version
 - **51** = Pt100
 - **53** = Pt1000
- Supply voltage
 - **0** = 230 V DC $\pm 10\%$
 - **5** = 24 V DC $\pm 15\%$
- Measuring range
 - please specify in clear z.B. **-50 ... +100 °C**