

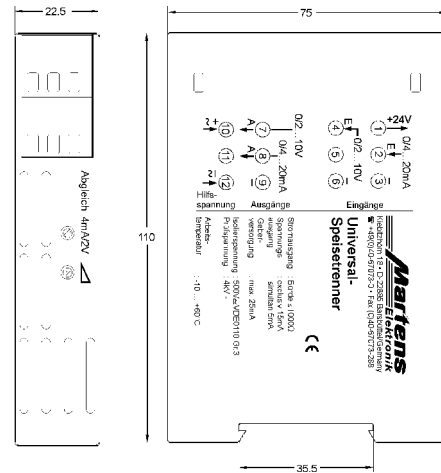
Product Information

**Isolating Signal Converter
 TV500 / ST500**

With integr. transmitter supply



Dimensions



DIN rail mounting TS35

Characteristics

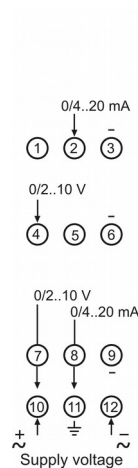
TV500 isolating signal converter can be used to isolate and convert field signals 0/4..20 mA or 0/2..10 V DC into industry standard signals for process control systems. The ST500 provides a fully floating isolated transmitter supply.

Technical data

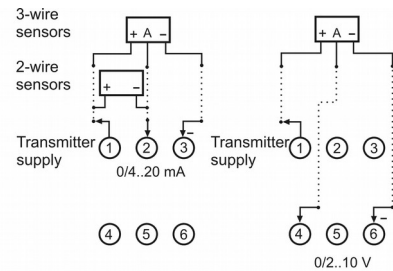
- Power supply**
 Supply voltage : 100..265 V AC or 10.8..30 V AC/DC
 Frequency AC : 47..63 Hz
 Power consumption: < 3.5 VA
- Operating temperature** : -10..+60 °C
CE-conformity : EN 55022, EN 60555-2, IEC 61000-4-4/5/11/13
- Inputs**
Current : 0/4..20 mA selectable, Ri = 25 Ω overload max. 100 mA
Voltage : 0/2..10 V DC selectable, Ri approx. 40 kΩ, overload max. 100 V
- Span and start value**
 4 mA/2 V : adjustable approx. ± 5 %
Transmitter supply (only ST500) : approx 24 V DC, Ri approx. 150 Ω, short-circuit current approx. 35 mA
- Outputs**
Current : 0/4..20 mA selectable, burden max. 1 kΩ
Voltage : 0/2..10 V selectable, load max. 15 mA, short-circuit-proof (parallel with the current output max. 5 mA)
- Rise time (T90)** : model 10: < 20 ms, max. frequency 18 Hz
 model 11: < 100 μs, max. frequency 1 kHz
- Accuracy** : ≤ 0.2 % (single range adjustment ≤ 0.1 %)
- Case** : standard case polycarbonate 8020 UL94V-1 acc. to DIN EN 60715:2001-09, DIN rail TS35
- Weight** : approx. 200 g
Connection : screw terminals, max. 2.5 mm²
Protection class : case IP30, terminals IP20 acc. to BGV A3

Connection diagram

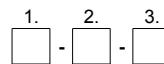
Signal converter TV500



Power feed signal converter ST500



Ordering code



1. Model	TV500	signal converter
	ST500	power feed signal converter
2. Measuring range	10	inputs 0/4..20 mA and 0/2..10 V outputs 0/4..20 mA and 0/2..10 V
	11	as 10, but rise time T90 < 100 μS
3. Supply voltage	0	100..265 V AC
	5	10.8..30 V AC/DC