

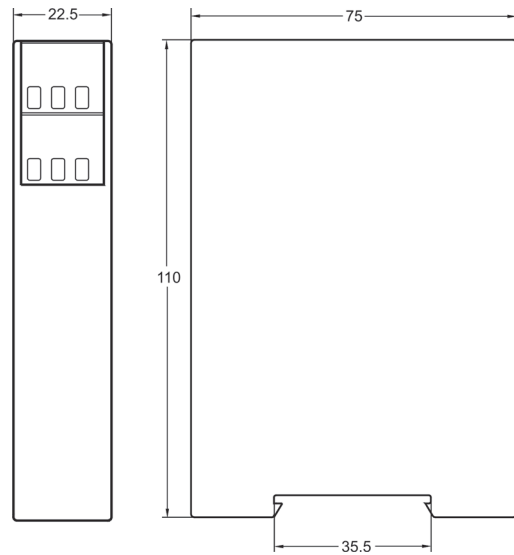
Product Information

Isolating Signal Converter TW500

Loop powered 0(4)..20 mA



Dimensions



DIN rail mounting TS35

Characteristics

Loop powered signal isolator TW 500 are highly compact devices to isolate DC-current signals 0(4)..20 mA without power supply. Up to 3 channels are deliverable in one 22.5 mm DIN rail housing.

Technical data

Input

- Current : 0(4)..20 mA DC
- Max. current : 100 mA
- Max. voltage : 27 V DC
- Voltage drop : < 2.7 V ($I \leq 20$ mA)
- Test voltage : 4 kV DC input / output
- Rated voltage : 630 V acc. to VDE 0110 group 2
- Operating temperature : -20..+60 °C
- CE-conformity : EN 61326-1:2013
EN 60664-1:2007

Output

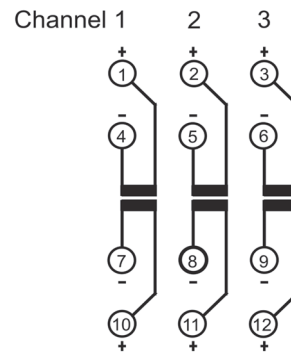
- Current : 0(4)..20 mA
- Max. current : max. input current
- Burden : < 1200 Ω ($I \leq 20$ mA)
- Rise time (T_{90}) : < 30 ms
- Accuracy : < 0.1 %
- Burden error : < 0.0008 %/ Ω
- Temperature coefficient : < 0.001 %/ $^{\circ}$ C
- Ripple : < 0.2 %

Case : standard case polycarbonate 8020 UL94V-1 acc. to DIN EN 60715:2001-09, DIN rail TS35

- Weight : approx. 140 g
- Connection : screw terminals, max. 2.5 mm²
- Protection class : case IP30, terminals IP20, acc. to BGV A3

Connection diagram

Input 0(4) ... 20mA DC



Channel 1 2 3

Output 0(4) ... 20mA DC

Note:
Not used outputs must be shorted by a link.

Ordering code

TW500 - - 1

1.	Model
1	1-channel
2	2-channels
3	3-channels