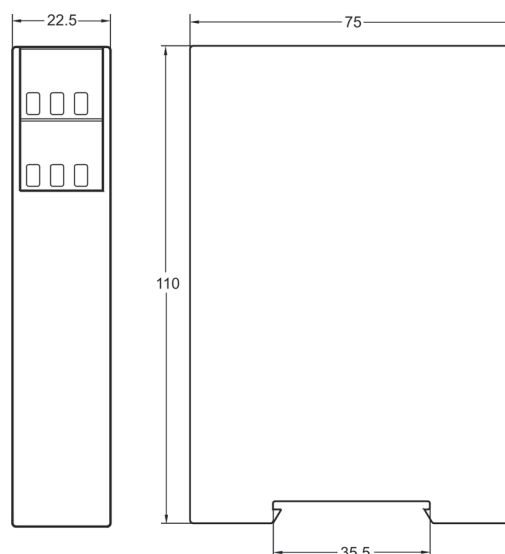


Isolating Signal Converter TW500

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

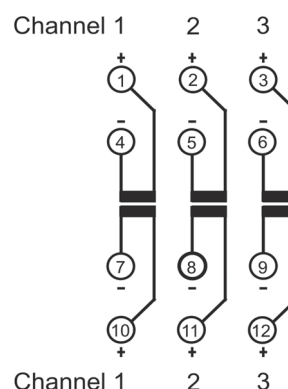
Current	: 0(4)..20 mA
Max. current	: max. input current
Burden	: < 1200 Ω ($I \leq 20$ mA)
Rise time (T_{90})	: < 30 ms
Accuracy	: < 0.1 %
Burden error	: < 0.0008 %/ Ω
Temperature coefficient	: < 0.001 %/°C
Ripple	: < 0.2 %

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



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