

Product Information

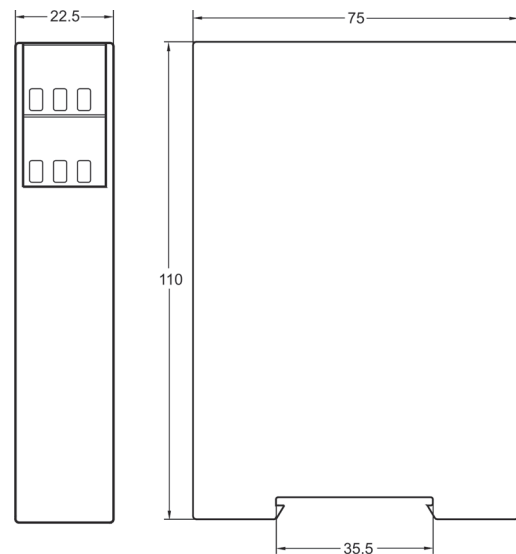
Isolating Converters

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 ≤ 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

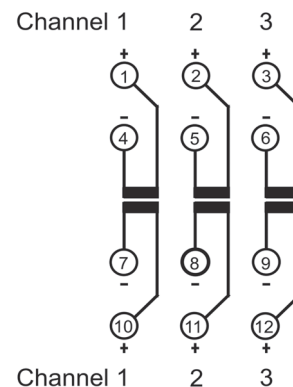
Output

Current	: 0(4)..20 mA
Max. current	: max. input current
Burden	: < 1200 Ω (I ≤ 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 mm ²
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