

Produktinformation

Isolating Signal Converter TW500

Loop powered 0(4)..20 mA



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

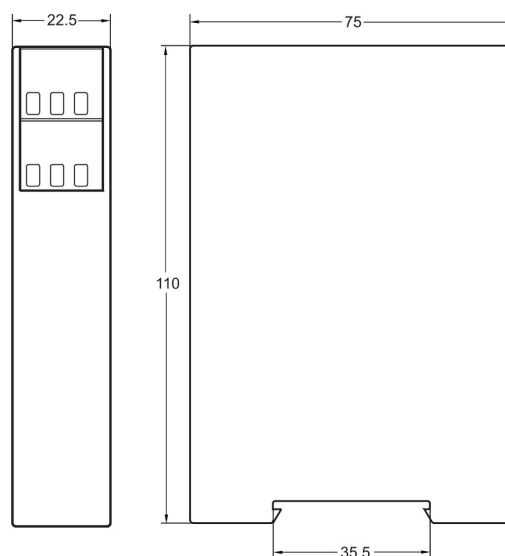
Output

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 %/ $^{\circ}\text{C}$
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

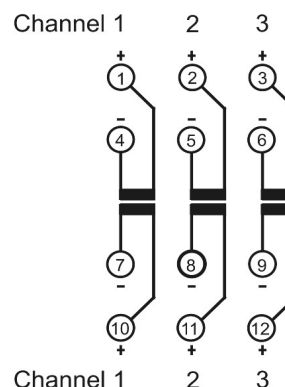
Dimensions



DIN rail mounting TS35

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

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