

Isolation Amplifier

AD-TV 2 GX

Description

The isolation amplifier AD-TV 2 GX, with a construction width of only 6.2 mm, serves the galvanic separation of DC current signals. The output signal follows linear the input variable and is, up to a limiting value, independent of the connected burden (0/4-20 mA, 1:1 input/output). Due to the narrow design, a high packing density is achieved. In combination with a DIN rail connector, the wiring is considerably reduced.

Application

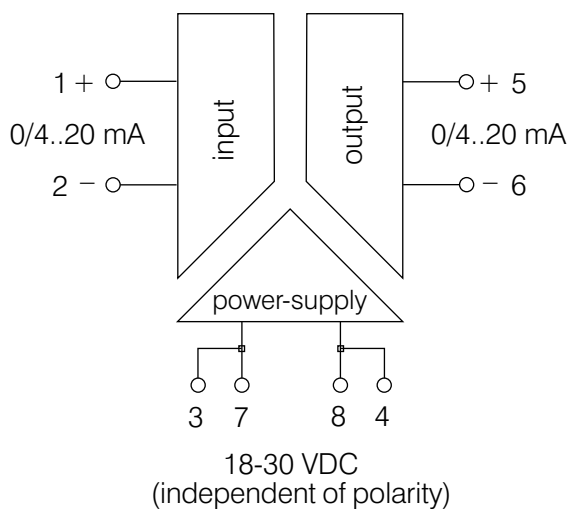
Burden amplification and galvanic disconnection of impressed DC current signals.

Specification

construction	1-channel switchboard housing 6,2 x 92 x 101 mm (WxHxD)
power-supply	18-30 VDC
power-consumption	max. 850 mW (dependent upon signal)
input	0-20mA or 4-20mA
input impedance	50 Ohm
output	0-20 mA or 4-20mA 1:1 to the input signal
output load	max. 400 Ohm with 20 mA
open-circuit voltage	max. 13V with current output
accuracy	0,1% of full scale
linearity error	max. 0,1% of full scale
response time	<50 ms (10-90%)
ripple	<0,1%
ambient-temperature	0-50°C
effect of temperature	<70 ppm/K
insulation test voltage	1,5kV, 50Hz (1 min. all isolating distances)
protective systems	against pulsed over-voltage, over-current and polarity reversal
EMC	
Product family standard	EN 61326
Emitted interference	EN 55011, CISPR11 Cl. A industry
Electrical safety requirements	
Product family standard	EN 61010-1
connection technology	adapted for DIN rail connector for bridging the power-supply

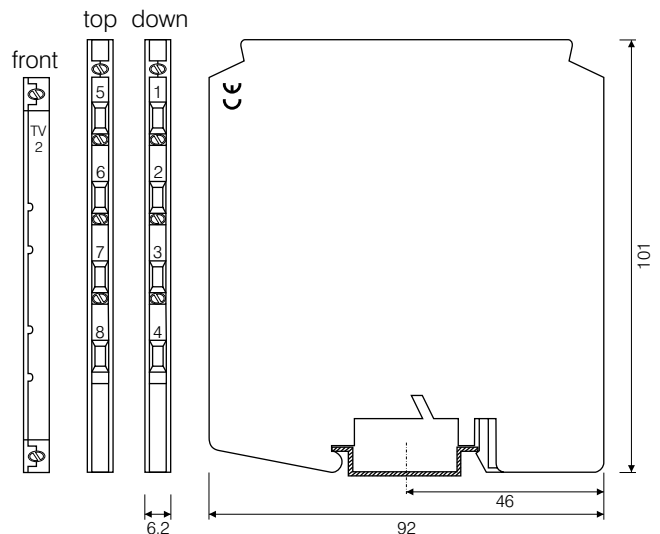


Connections and dimensions: AD-TV 2 GX



weight max. 70 g
 protection: IP 20
 manner of fastening:
 attachment rail: NS35/7,5

connection data:
 fine-wire: 2,5 mm²
 single-wire: 4 mm²



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