

Passive Separation Transducer

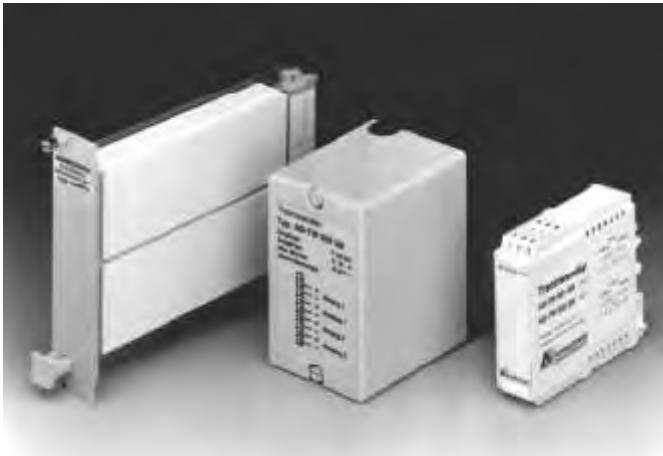
AD-TW 401-402* GS
AD-TW 401-402* GB
AD-TW 401-408* EV

Description

The passive separation transducer AD-TW 401-408* converts an impressed current signal (0/4-20 mA) to a linear output signal (input = output 1:1). The output signal is galvanically separated from the input and does not have any reactive influence on the input signal. The separation transducer does not require any auxiliary energy, the low energy required for operation is won from the input signal.

Application

Economic galvanic separation with simultaneous signal conversion, without auxiliary energy. Protection of sensitive units against over voltage, galvanic decoupling in complex measuring units.



Special features

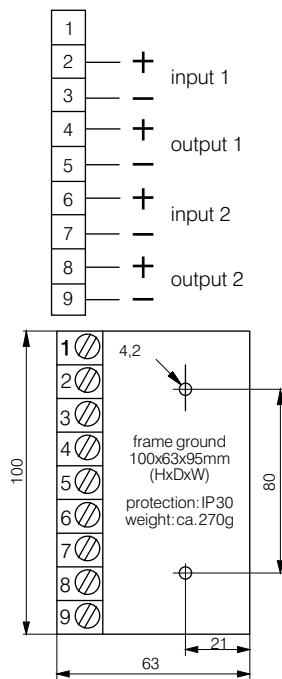
- without auxiliary energy, no mains influences
- no heat development, as it is free from auxiliary energy
- space saving, multi-channel types of construction
- connection compatible to further passive separation transducers

Specification

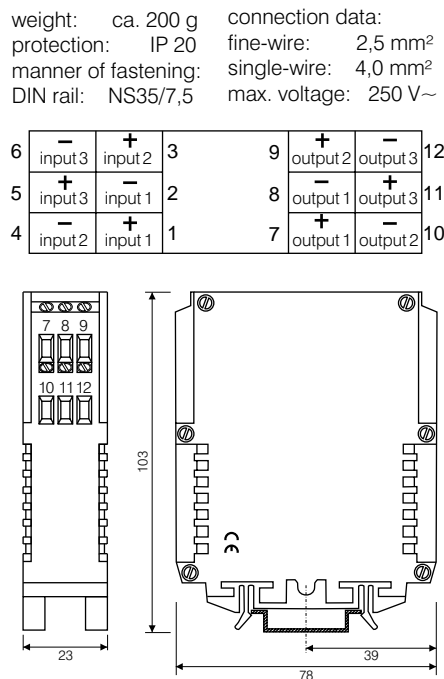
construction type	401 = 1-channel (housing GS, GB, EV) 402 = 2-channel (housing GS, GB, EV) 403 = 3-channel (housing GS, EV)
input	impressed current signal 0/4...20 mA
converter voltage drop approx.	1,5 V
output	0/4...20 mA (1:1 to input signal)
maximum load	600 Ohm/20mA
load error	-0,03% at 100 Ohm
ripple frequency	<0,5% at 600 Ohm and 20mA output
reaction time	10...90% = <50ms
insulation test voltage	input/output 500 VDC
temperature drift	approx. 15 ppm/°K
ambient temperature	0 to +50°C
protection	input against confusing the poles and over voltage
CE-conformity	EN 50081-2, EN 50082-2

(*) = last digit marks the number of channels

Connections and dimensions:
AD-TW 401-402 GB



Connections and dimensions:
AD-TW 401-403 GS



Connections and dimensions:
AD-TW 401-408 EV

