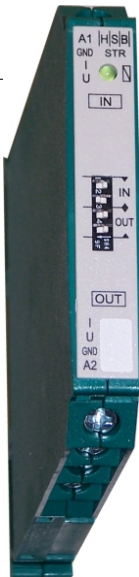


Isolation and Measuring transducers

STR

serie 11,25mm



APPLICATION

For the conversion of a standard electrical signal into another standard signal or / and electric isolation.

DESCRIPTION

The STR isolation transducer uses the terminals A1 and A2 for connection to 24V AC/DC (UC). The green LED indicates the connection to the power supply, which must be continuously connected to the transducer.

FUNCTION

The STR transducer acquires a standard signal 0(4) ... 20mA or 0(2) ... 10V DC and converts it into an independent current or voltage signal. The measuring circuit is electrically isolated from the power supply. The desired configuration is selected with the DIP switches on the relay's front panel. The STR isolation transformer has three-way isolation.

OPTION

Other supply voltages or input, output signals upon request.

MOUNTING

Snap-on mounting using a standard DIN rail EN 50022. The unit is designed to allow side-by-side mounting, with an ambient temperature of < 60°C.

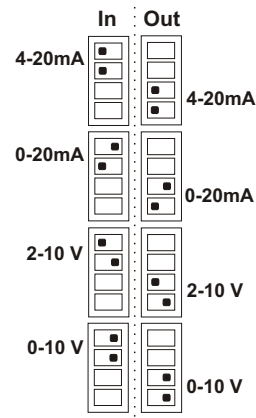
APPROVALS



ARTIKELNUMMER

16.001.01.000 STR power - 24VAC/DC

DIP switch adjustments



TECHNICAL DATA

Supply

power supply :	24V AC/DC +/-15
frequency range :	50 ... 60 / 0Hz
power consumption :	2VA
operating mode :	continuous
isolation voltage :	1kV DC

Input/Output

measuring accuracy :	0,5% over the entire temperature and voltage range
input :	0 (4) ... 20mA DC @ 237 Ohm 0 (2) ... 10V DC @ 20kOhm
overload capability :	100% constant, 500% for 1s
output :	0 (4) ... 20mA @ max. 750 Ohm 0 (2) ... 10V @ min. 1kOhm
correction time :	< 0,7 s
isolation voltage I/O :	3,75kV

Operation indicator :

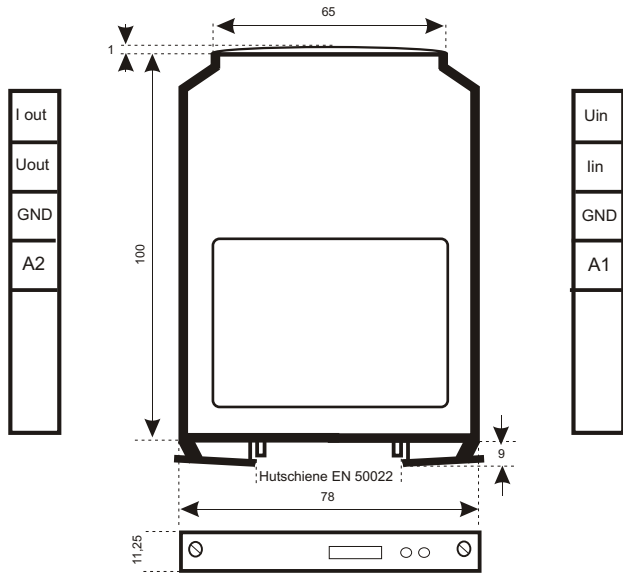
LED, green

General data

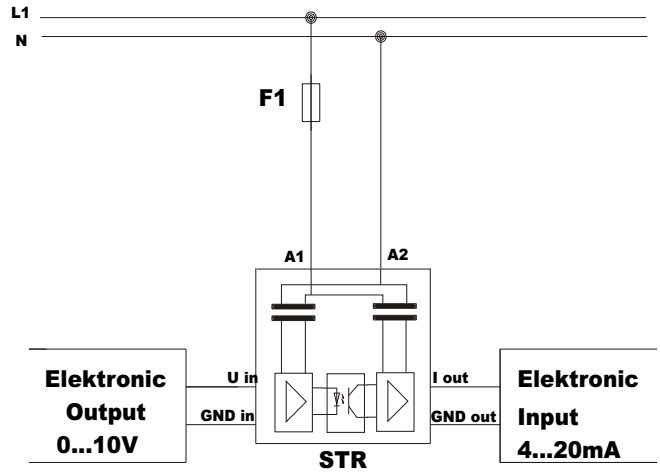
ambient temperature :	0 ... + 60°C
climatic resistance :	VDE 0435T.2021
mounting position :	any
vibration resistance :	VDE 0435T.2021
test voltage :	2,5kV
connection terminals :	screws M3,5
connection cross section :	2 x 2,5mm ²
mounting :	symmetrical DIN rail DIN EN 50022
dimensions l x w x h :	78mm x 11,25mm x 110mm
weight :	71g

Isolation and Measuring transducers
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DIMENSIONS and CONNECTIONS



EXAMPLE



The STR converts an input signal from 0...10V into an electrically isolated output signal of 4...20mA.