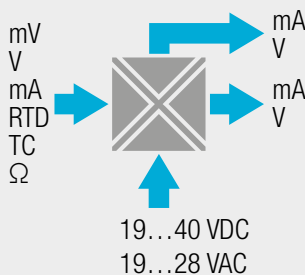


SINEAX TVD825

DC duplicator/ signal converter with 2 outputs



The purpose of the signal converter / duplicator SINEAX TVD825 is to electrically insulate input and output signals, respectively to amplify and / or change the signal level or type (current or voltage) of the input signals.

FEATURES / BENEFITS

- 4 way insulation (1500 V AC) between power supply, input, output 1 and output 2
- Input programmable via DIP-switches for current, voltage, temperature (RTD, TC) or potentiometer
- 2 independent outputs programmable via DIP-switches for current (active and passive connection) and voltage
- Possibility to power the sensor at input current (max 17 V DC)

TECHNICAL SPECIFICATIONS

General Data	
Power supply	10...40 VDC / 19...28 VAC / 50-60 Hz
Power consumption	min 0.5 W / max 2.0 W
Isolation	Test voltage 1.5 kV AC rms
Basic accuracy	0.1% (by reference condition)
Response time	max 25 ms
Setting	DIP - switches
Mounting	35 mm DIN rail guide
Material	PBT (black)
Protection degree	IP20
Operating temperature	-10...+65°C
Weight	200 g
Dimension (w x h x d)	17.5 x 100 x 112 mm
Input (1x)	
Voltage	0...10 V, min impedance 120 kΩ
Current	0...20 mA, max impedance 50 Ω
Rtd	Pt100, Pt500, Pt1000, Ni100 / Measure 2, 3, 4 wires
Thermocouple	Type J, K, R, S, T, E, B, N
Potentiometer	1 kΩ...100 kΩ
Output (2x)	
Voltage	0...10 V, min load resistance: 20 kΩ
Current	0...20 mA (active/passive), max load resistance: 600 Ω
Standard	
Approval	CE
Conformity	EN 61000-4-5 Clas 2; EN 61000-6-2; EN 61000-6-4; EN 61010-1

ORDER-CODE

Description	Order-No.
SINEAX TVD825 Voltage/current-signal converter/duplicator	172 685

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