



IN+	1	IN	5	OUT 1+
GND 2	2		6	GND 3
OUT 2+	3	OUT 2	7	Us+
GND 4	4		8	GND 1

Item description

Kurzbeschreibung:

Der Signalverdoppler wandelt analoge Normsignale, verstärkt, filtert und trennt die analogen Normsignale galvanisch voneinander. Zusätzlich wird das Eingangssignal auf zwei getrennte Ausgänge gesplittet.

Merkmale:

- 2 konfigurierbare Spannungs-/Stromausgänge
- Umschaltbare Grenzfrequenz
- Sichere 4-Wege-Trennung mit 2,5kV-Prüfspannung gemäß EN 61010-1

Data

Technical Data

Configuration

Configuration options

DIP switches



Input

Input signal type	Voltage Current
Input signal voltage	0 ... 5V; 1 ... 5V; 0 ... 1V; 0 ... 10V; 2 ... 10V
Input signal, current	0 ... 10mA; 2 ... 10mA; 0 ... 20mA; 4 ... 20mA
Input resistance (input/current)	$\leq 50\Omega$
Input resistance (input/voltage)	$\geq 100k\Omega$
Max. input current	50 mA
Max. input voltage	30 V

Output

Output signal type	Voltage Current
Output signal voltage	0 ... 10V; 2 ... 10V (calibrated switchable)
Output signal current	0 ... 10mA; 2 ... 10mA; 0 ... 20mA; 4 ... 20mA (calibrated switchable)
Load impedance (output/voltage)	$\geq 2k\Omega$
Load impedance (output/current)	$\leq 600\Omega$

Signal processing

Max. operating frequency	100Hz / 1kHz (configurable via DIP switch)
Step response	3.5ms (100 Hz); 300 μ s (1 kHz)

Measurement error

Transmission error typ.	$\leq 0.1\%$ of upper range value
Temperature coefficient	$\leq 0.01\%/K$

Power supply

Type of power supply	24 VDC
Nominal supply voltage U_S	24VDC
Supply voltage range	$\pm 30\%$
Current consumption at supply voltage	$\leq 35mA$

Safety and protection:

Test voltage (input/output/supply)	3 kV AC; 50Hz; 1min
Degree of protection	IP20



Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 Inch

Geometrical Data

Width	6 mm / 0.236 in
Height from upper-edge of DIN-35 rail	97.8 mm / 3.85 in
Depth	94 mm / 3.701 in

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Weight	41.514 g
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Environmental Requirements

Surrounding air (operating) temperature	-40 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Max. operating altitude	2000 m

Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2; EN 61326-1; EN 50121-3-2
EMC emission of interference	EN 61000-6-3; EN 61326-1; EN 50121-3-2
Standards/specifications	EN 61010-1; EN 61373

Commercial data

Country of Origin	DE
GTIN	4055143595476



Product family

JUMPFLEX Isolation Amplifiers
Show all products from the family.

Subject to changes.