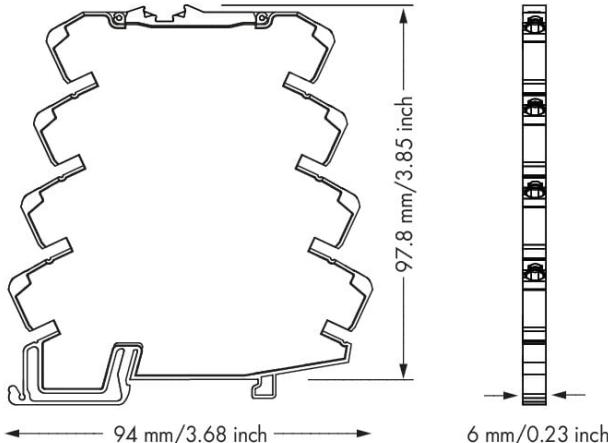
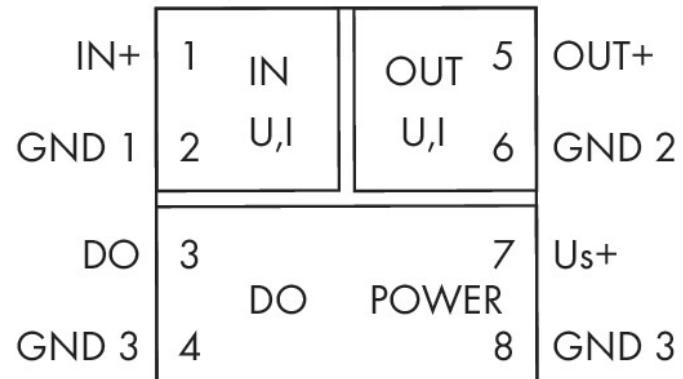
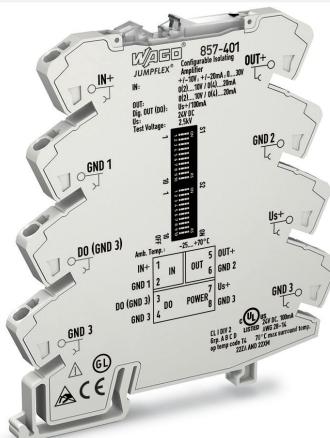


<https://www.wago.com/857-401>



Dimensions in mm

Short description:

WAGO's configurable signal conditioner converts, amplifies, filters and electrically isolates standard analog signals.

Features:

- PC configuration interface
- Digital switching output
- Calibrated measurement range switching
- Standard unipolar/bipolar analog signals at input
- Clipping capability
for analog signal limitation to output end values
- 3-way electrical isolation with 2.5 kV test voltage

Notes

Note

Additional setting options via WAGO Interface Configuration Software or WAGO Interface Configuration App

Technical data

Configuration

Configuration options	DIP switch WAGO Interface Configuration Software WAGO Interface Configuration App
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Input

Input signal type	Voltage (DC) Current (DC)
Input signal (voltage)	$\pm 10\text{ V}$; 0 ... 30 V
Input signal (current)	$\pm 20\text{ mA}$
Input resistance (current input)	$\leq 200\ \Omega$
Input resistance (voltage input)	$\geq 100\text{ k}\Omega$
Input current (max.)	22 mA
Input voltage (max.)	31 V
Measurement span (min.)	1 V
Measurement span (current) min.	2 mA

Output – analog

Output signal type	Current Voltage
Output signal (voltage)	0 ... 5 V; 1 ... 5 V; 0 ... 10 V; 2 ... 10 V
Output signal (current)	0 ... 10 mA; 2 ... 10 mA; 2 ... 20 mA; 4 ... 20 mA
Load impedance (voltage output)	$\geq 2\text{ k}\Omega$
Load impedance (current output)	$\leq 600\ \Omega$

Output – digital

Switching voltage (DO) max.	Supply voltage applied
Number of switching thresholds (DO)	1 (adjustable)

Signaling and Communication

Configuration options	WAGO Interface Configuration App WAGO Interface Configuration Software DIP switch
Input signal (voltage)	$\pm 10\text{ V}$; 0 ... 30 V

Signal Processing

Step response (typ.)	8 ms
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Measurement Error

Transmission error (typ.)	$\leq 0.1\%$ of upper-range value
Temperature coefficient	$\leq 0.01\%\text{/K}$

Supply

Power supply type	24 VDC
Nominal supply voltage U_S	DC 24 V
Supply voltage range	$\pm 30\%$
Current consumption at nominal supply voltage	$\leq 40\text{ mA} (+ I_{DO})$

Safety and protection

Protection type	IP20
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Test voltage

Test voltage (input/output/supply)	AC 2.5 kV; 50 Hz; 1 min
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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 inches

Physical data

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

Mechanical Data

Mounting type	DIN-35 rail
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Material Data

Fire load	0.58 MJ
Weight	37 g

Environmental requirements

Ambient temperature (operation at U _N)	-25 ... +70 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 95 % (no condensation permissible)
Operating altitude (max.)	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
Standards/specifications	EN 61373 EN 50121-3-2 DNV

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-21-01-20
eCl@ss 9.0	27-21-01-20
ETIM 8.0	EC002653
ETIM 7.0	EC002653
PU (SPU)	1 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4045454828509
Customs tariff number	85437090300