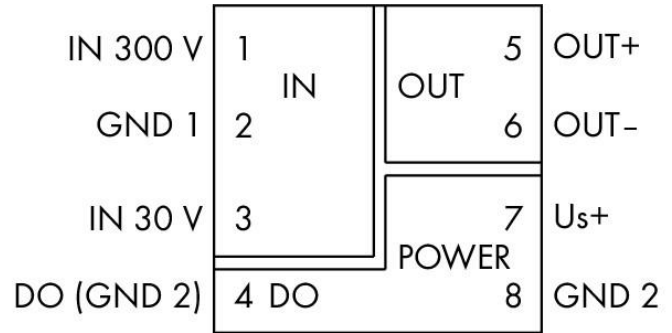
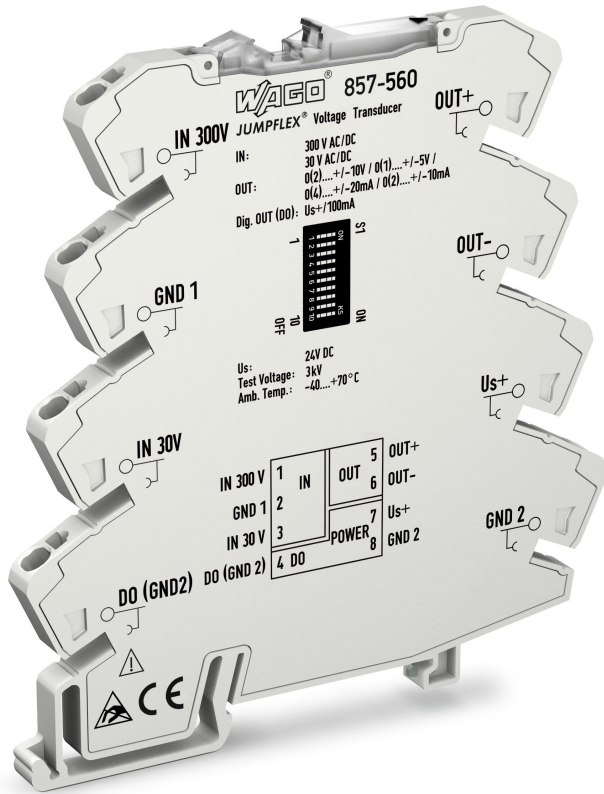


Voltage signal conditioner; Voltage input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width

www.wago.com/857-560



Item description

Short description:

The 857-569 Voltage Signal Conditioner measures AC and DC voltages up to 300 V AC/DC and converts the input signal into a standard analog signal at the output.

Features:

- Two isolated measurement inputs for 30 V and 300 V AC/DC
- RMS measurement or arithmetic mean value
- A digital signal output reacts to configured measurement range limits (switching ON/OFF delay and threshold value switch function configurable with up to two threshold values)
- Switchable filter function
- Safe 3-way isolation with 2.5 kV test voltage per DIN EN 61010-1

Data

Technical Data

Configuration

Configuration options	DIP switches Interface configuration software Interface configuration app
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Input

Input signal type	Voltage
Input signal voltage	300V AC/DC (IN 1); 30V AC/DC (IN 2)
Frequency range	10 ... 100Hz (AC)
Input resistance (input/voltage)	$\geq 300\text{k}\Omega$
Max. input voltage	600 V (IN 1; permanent); 60 V (IN 2; permanent)
Response threshold	300 mV (IN 1); 30 mV (IN 2)

Output

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

Output – Digital

Max. switching voltage (DO)	Supply voltage applied
Max. continuous current (DO)	100mA (no internal restriction)
Number of switching thresholds (DO)	1 or 2 (adjustable)
Configurable rise/fall delay time (DO)	0 ... 60s (via software)

Signal processing

Measuring procedure	RMS measurement; Arithmetic mean value
Max. operating frequency	2kHz
Software filter, adjustable	moving mean value (filtering level: 30)
Step response	30ms

Measurement error

Transmission error max.	$\leq 0.5\%$ (of the full scale 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	$\leq 46\text{mA} (+ I_{D0})$

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	39.1 g
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Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C (at nominal current)
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 61326-2-3; EN 50121-3-2
EMC emission of interference	EN 61000-6-3; EN 61326-2-3; EN 50121-3-2
Standards/specifications	EN 61010-1; EN 61373

Commercial data

Country of Origin	DE
GTIN	4055143481571

Product family

JUMPFLEX Signal Conditioners

The modules offer numerous technical highlights and feature a common profile, allowing the same flexible push-in jumpers to be used across the entire JUMPFLEX® line. With its new JUMPFLEX® Signal Conditioners, WAGO is continuing to expand its existing JUMPFLEX® portfolio, offering its customers the best solutions from a single source.

[Show all products from the family.](#)

Subject to changes.

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