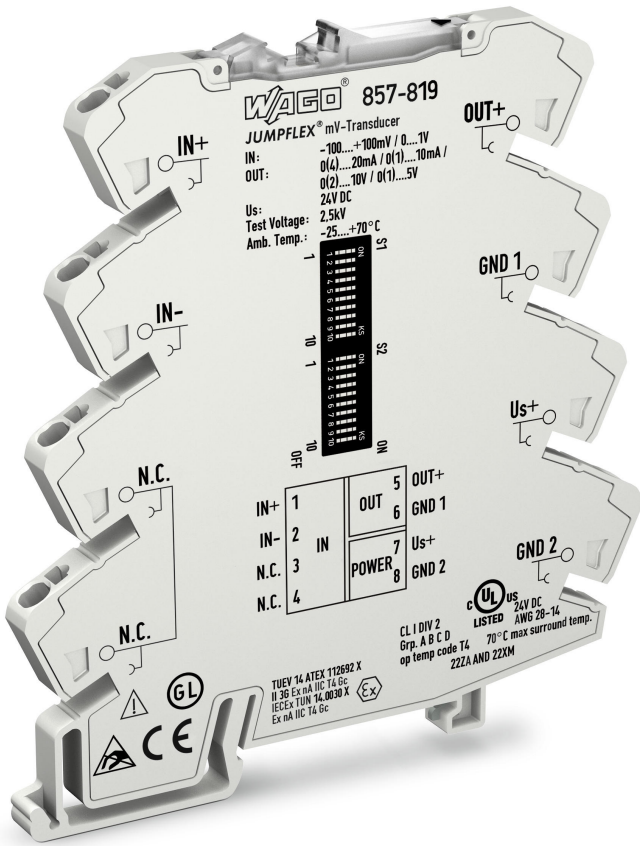


Data sheet | Item number: 857-819

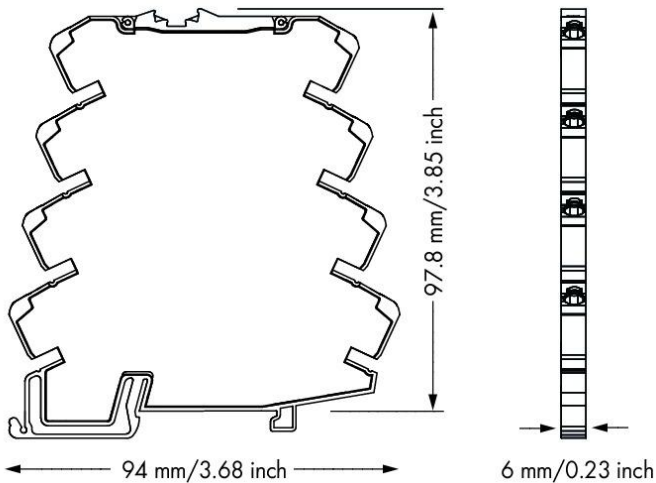
Voltage signal conditioner; Bipolar voltage input signal; Current and voltage output signal; Configuration via software; Supply voltage: 24 VDC; 6 mm module width



www.wago.com/857-819



IN+	1	IN mV	OUT	5	OUT+
IN-	2		U,I	6	GND 1
N.C.	3	POWER		7	Us+
N.C.	4			8	GND 2



Item description
Short description:

The Millivolt Signal Conditioner converts input millivolt signals into standard analog signals on the output side.

Features:

- PC configuration interface
- Calibrated measurement range switching
- Switchable clipping capability limits the standard analog signal to the upper range values
- Safe 3-way isolation with 2.5 kV test voltage acc. to EN 61140

Note:

(* Additional setting options via interface configuration software or interface configuration app)

Data**Technical Data****Configuration**

Configuration options

DIP switches

Interface configuration software

Interface configuration app

Input

Input signal type	Voltage
Input signal voltage	± 100 mV; 0 ... 200 mV; 0 ... 300 mV; 0 ... 400 mV; 0 ... 500 mV; 0 ... 600 mV; 0 ... 700 mV; 0 ... 800 mV; 0 ... 900 mV; 0 ... 1 V
Input resistance (input/voltage)	≥ 1 MΩ
Max. input voltage	±31.2 VDC
Min. measuring span	10 mV

Output

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; 0 ... 20 mA; 4 ... 20 mA
Load impedance (output/voltage)	≥ 2 kΩ
Load impedance (output/current)	≤ 600 Ω

Signal processing

Step response	50 ms
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Measurement error

Transmission error typ.	≤ 0.1 % at max. measuring span
Temperature coefficient	≤ 0.01 %/K

Power supply

Type of power supply	24 VDC
Nominal supply voltage U_S	24 VDC
Supply voltage range	±30 %
Current consumption at supply voltage	≤ 40 mA

Safety and protection:

Test voltage (input/output/supply)	2.5 kV AC; 50 Hz; 1 min
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 Inch
Height from upper-edge of DIN-35 rail	97.8 mm / 3.85 Inch
Depth	94 mm / 3.701 Inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Color	light gray
Weight	36.314 g

Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C

Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2
EMC emission of interference	EN 61000-6-4





Commercial data

Country of origin	DE
GTIN	4045454665975
Product Group	6 (Interface Electronics)

Ex-Approvals

Logo	Approval	Certificate name
	UL UL International Germany GmbH (HAZARDOUS LOCATIONS)	E198726 Sec.4

Ship Approvals

Logo	Approval	Certificate name
	BV Bureau Veritas S.A.	40179_A0
	DNV GL Det Norske Veritas, Germanischer Lloyd	TAA00001D1
	NK Nippon Kaiji Kyokai	TA17255M
	PRS Polski Rejestr Statkow	TE/1989/880590/13

UL-Approvals

Logo	Approval	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	E175199 Sec.4



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.