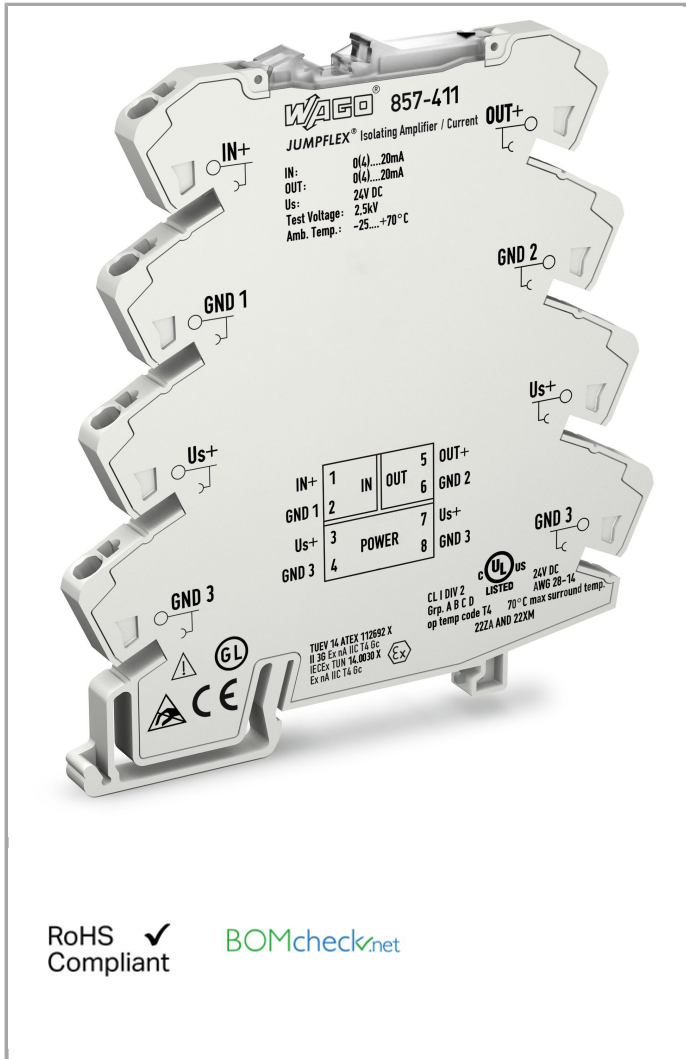


Data sheet | Item number: 857-411

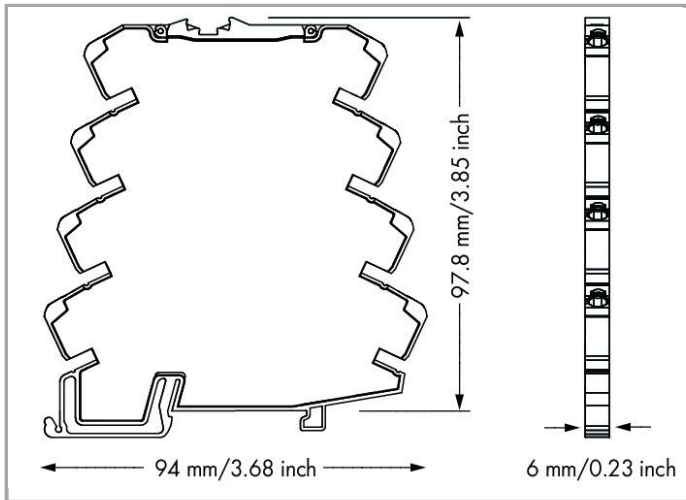
Isolation amplifier; Current input signal; Current output signal; Supply voltage: 24 VDC; 6 mm module width



www.wago.com/857-411



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



Item description

Short description:

The pre-configured isolation amplifier converts, amplifies, filters and electrically isolates standard analog signals.

Characteristics:

- Input/Output: current/voltage signal
- Safe 3-way isolation with 2.5kV test voltage acc. to EN 61140

Data

Technical Data

Configuration

Configuration options	permanently configured
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Input

Input signal type	Current
Input signal, current	0 ... 20 mA; 4 ... 20 mA
Input resistance (input/current)	$\leq 50\Omega$
Max. input current	50 mA

Output

Output signal type	Current
Output signal current	0 ... 20 mA; 4 ... 20 mA
Load impedance (output/current)	$\leq 600\Omega$

Signal processing

Max. operating frequency	100Hz
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Measurement error

Transmission error typ.	≤ 0.1 % of upper range value
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	25 mA

Safety and protection:

Test voltage (input/output/supply)	2.5 kV AC; 50Hz; 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	lichtgrau
Weight	36.104 g

Environmental Requirements


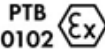
Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C

Standards and specifications

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

Approvals / Certificates


Ex-Approvals

Logo	Approval	Certificate name
	IECEX TUEV Nord Cert GmbH	IECEX_TUN_14.0030_X
	IECEX TUEV Nord Cert GmbH	TÜV_14_ATEX_112692_X

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 (ORDINARY LOCATIONS)



Subject to changes.

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