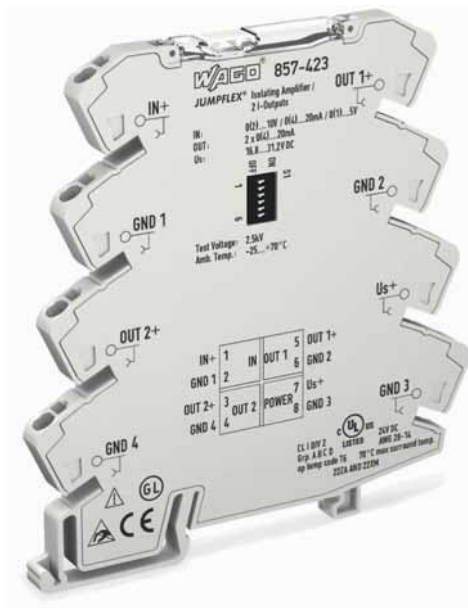
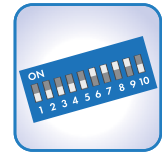
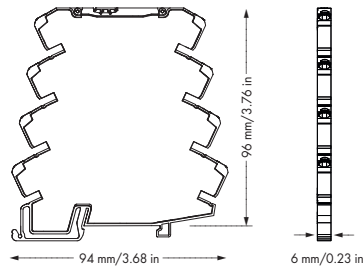




Configuration via:



DIP Switches



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

Short description:

The 857-423 Signal Splitter converts standard signals and amplifies, filters and electrically isolates analog standard signals.

Characteristics:

- Two configurable current outputs
- Calibrated scale switching
- Switchable max. operating frequency
- Safe 3-way isolation with 2.5kV test voltage to EN 61140

Technical Data**Configuration:**

Configuration DIP switches

Input:

Input signal 0 ... 20 mA, 4 ... 20 mA, 0 ... 5 V,
0 ... 10 V, 2 ... 10 V, 1 ... 5 V
(calibrated switchable)

Input resistance $\leq 50 \Omega$ ($I_n = \text{mA}$)
 $\geq 100 \text{ k}\Omega$ ($I_n = \text{V}$)

Output:

Output signal 2 x 0(4) ... 20 mA
(calibrated switchable)

Load impedance 2 x 300 Ω

General specifications:

Voltage supply V_s 24V DC

Supply voltage range 16.8 V ... 31.2 V

Current consumption at 24 V DC $\leq 35 \text{ mA}$

Max. operating frequency 100 Hz / 1 kHz
(switchable via DIP switch)

Response time (T_{10-90}) $< 3.5 \text{ ms} / < 300 \mu\text{s}$

Transmission error $\leq 0.1 \%$ of the full scale value

Temperature coefficient $\leq 0.01 \%$ /K

Description

Item No.

Pack.
Unit**JUMPFLEX® transducers, for DIN 35 rail****857-423****1**

Signal splitter with 2 configurable current outputs

Technical Data**Environmental requirements:**

Ambient operating temperature -25 °C ... +70 °C

Storage temperature -40 °C ... +85 °C

Safety and protection:

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

Connection and type of mounting:

Wire connection CAGE CLAMP® S

Cross sections solid:
0.08 mm² ... 2.5 mm² / AWG 28 ... 14
fine-stranded:
0.34 mm² ... 2.5 mm² / AWG 22 ... 14

Strip lengths 9 ... 10 mm / 0.37 in

Dimensions and weight:

Dimensions (mm) W x H x L 6 x 96 x 94

Height from upper-edge of DIN 35 rail

Weight 40.6 g

Standards and approvals:

Conformity marking **CE**

UL 508

ANSI/ISA 12.12.01 Class I, Div. 2, Grp. ABCD, T4

Shipbuilding (pending)

Accessories

see pages 268 ... 271

DIP Switch Adjustability

● = ON

857-423

Dip Switch S1 (6-fold)

Input Signal				Max. Operating Frequency		Output Signal 1		Output Signal 2	
1	2	3		4		5		6	
●			0 ... 20 mA		> 1 kHz		0 ... 20 mA		0 ... 20 mA
●		●	4 ... 20 mA	●	100 Hz	●	4 ... 20 mA	●	4 ... 20 mA
	●		0 ... 10 V						
	●	●	2 ... 10 V						
			0 ... 5 V						
		●	1 ... 5 V						

Default Settings

Input	0 ... 20 mA
Output 1	0 ... 20 mA
Output 2	0 ... 20 mA
Max. Operating Frequency	> 1 kHz