

## DIP Switch Adjustability

● = ON

857-423

## Dip Switch S1 (6-fold)

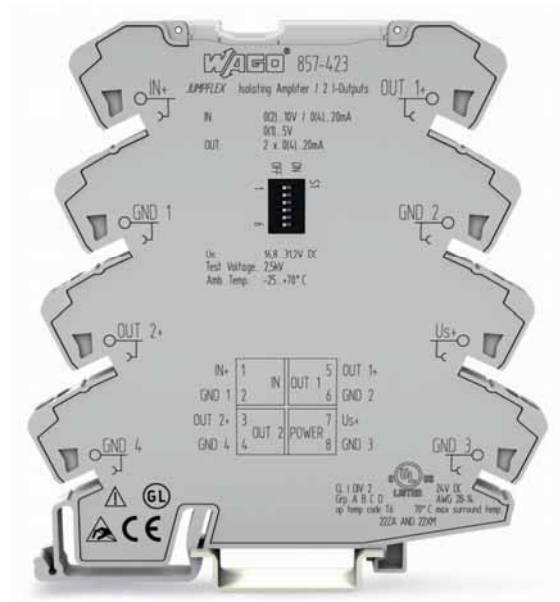
Input Signal				4	Max. Operating Frequency	Output Signal 1		Output Signal 2	
Code IN	1	2	3			Code OUT	5	Code OUT	6
e	●				> 1 kHz	E 1		E 2	
f	●		●	●	100 Hz	F 1	●	F 2	●
j		●							
k		●	●						
l									
m			●						

## Default Settings

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

**JUMPFLEX® Transducers**

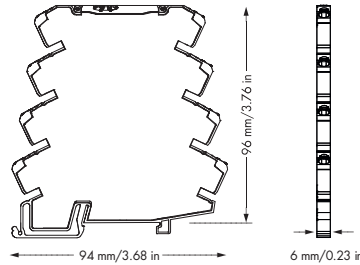
Signal splitter with 2 configurable current outputs



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

Description	Item No.	Pack. Unit
<b>JUMPFLEX® transducers, for DIN 35 rail</b>	<b>857-423</b>	<b>1</b>
Signal splitter with 2 configurable current outputs		
<b>Technical Data</b>		
<b>Environmental requirements:</b>		
Ambient operating temperature	-25 °C ... +70 °C	
Storage temperature	-40 °C ... +85 °C	
<b>Safety and protection:</b>		
Test voltage (input/output/supply)	2.5 kV AC, 50 Hz, 1 min	
<b>Connection and type of mounting:</b>		
Wire connection	CAGE CLAMP® S	
Cross sections	solid: 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14 fine-stranded: 0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 22 ... 14	
Strip lengths	9 ... 10 mm / 0.37 in	
<b>Dimensions and weight:</b>		
Dimensions (mm) W x H x L	6 x 96 x 94	
Weight	Height from upper-edge of DIN 35 rail 40.6 g	
<b>Standards and approvals:</b>		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
Shipbuilding	Ⓢ (pending)	
<b>Accessories</b>	see pages 268 ... 271	

Technical Data	
<b>Configuration:</b>	
Configuration	DIP switch
<b>Input:</b>	
Input signal	0 ... 20 mA, 4 ... 20 mA, 0 ... 5 V, 0 ... 10 V, 2 ... 10 V, 1 ... 5 V (calibrated switchable)
Input resistance	≤ 50 Ω (I <sub>in</sub> = mA) ≥ 100 kΩ (I <sub>in</sub> = V)
<b>Output:</b>	
Output signal	2 x 0(4) ... 20 mA (calibrated switchable)
Load impedance	2 x 300Ω
<b>General specifications:</b>	
Voltage supply V <sub>N</sub>	24 V DC
Supply voltage range	16.8 V ... 31.2 V
Current consumption at 24 V DC	≤ 35 mA
Max. operating frequency	100 Hz / 1 kHz (switchable via DIP switch)
Response time (T <sub>10-90</sub> )	< 3.5 ms / < 300 μs
Transmission error	≤ 0.1 % of the full scale value
Temperature coefficient	≤ 0.01 % /K