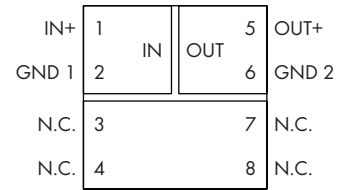
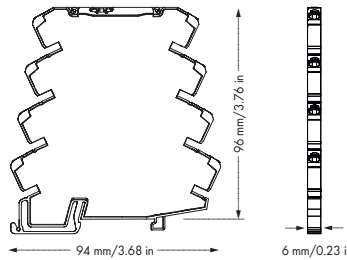
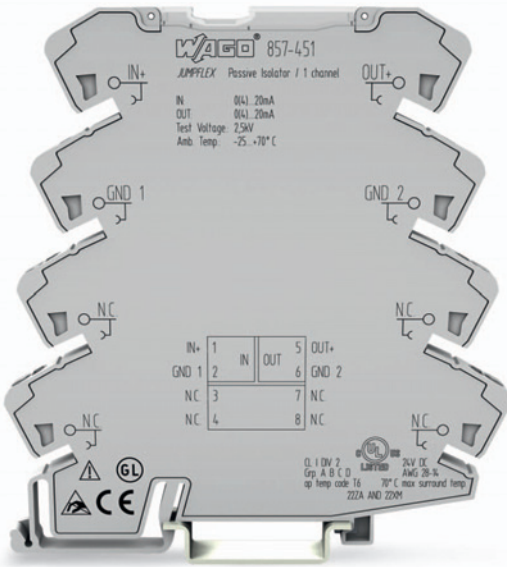


JUMPFLEX® Transducers

Passive isolator, 1 channel, 2 channels



Short description:

The 1- and 2-channel passive isolators filter and electrically isolate 0(4) - 20mA analog standard signals.

Characteristics:

- No additional supply voltage required
- Safe 3-way isolation with 2.5kV test voltage to EN 61140

Description	Item No.	Pack. Unit
JUMPFLEX® transducers, for DIN 35 rail	857-451	1
Passive isolator, 1 channel		
Technical Data		
Environmental requirements:		
Ambient operating temperature	-25 °C ... +70 °C	
Storage temperature	-40 °C ... +85 °C	
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	33.8 g	
Standards and approvals:		
Conformity marking	CE	
Ⓢ- UL 508		
Ⓢ- ANSI/ISA 12.12.01	Class 1, Div. 2, Grp. ABCD, T4	
Shipbuilding	Ⓢ	
Accessories	see pages 268 ... 271	

Technical Data	
Input:	
Input signal	0(4) ... 20 mA
Max. input signal	40 mA
Voltage drop input	< 2.0 V at 20 mA (output)
Response current	100 µA
Output:	
Output signal	0(4) ... 20 mA
Load impedance	600 Ω
General specifications:	
Max. operating frequency	100 Hz
Response time (T _{10/90})	< 3.5 ms
Transmission error	≤ 0.1 % of the full scale value
Temperature coefficient	≤ 0.01 % /K