Loop Powered Isolator

NEW

WAVEANALOG OLP

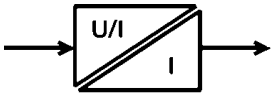
- Galvanic isolation
- Output loop powered
- Low power consumption
- Input range adjustable by DIP switches
- No adjustment required

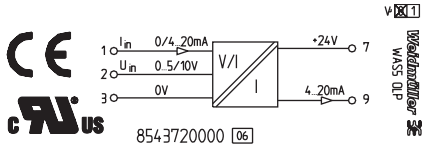
CCC OLP

Approvals:

CE cULus

Schematic circuit diagram



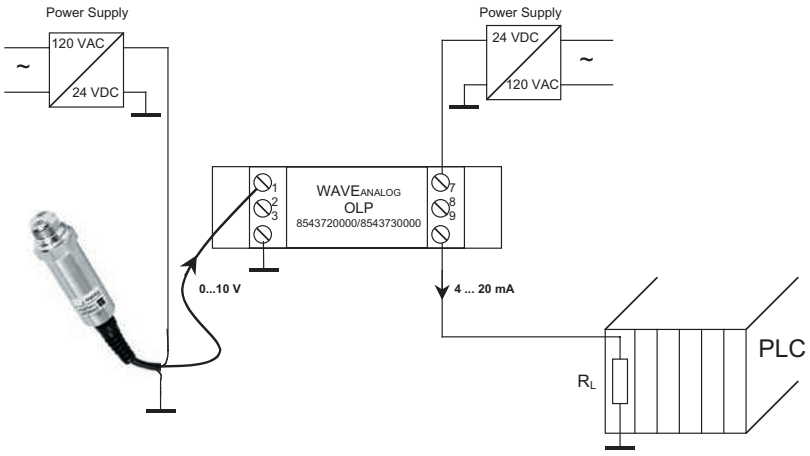


Ordering data	Type	Part No.
Screw clamp connection	WAS5 CCC OLP	**8543720000**
Tension clamp connection	WAZ5 CCC OLP	**8543730000**

Technical data*	
Input (adjustable by DIP switches)	
Input voltage	0…5 V, 0…10 V
Input resistance	0…5 V, 210 kΩ; 0…10 V, 430 kΩ
Input current	0/4…20 mA
Input resistance	51 Ω
Output	
Output current	4…20 mA (current loop)
Load resistance	RL=(V_s-12 V)/20 mA, i.e., 600 Ω at 24 VDC
Cut-off frequency (adjustable by DIP switch)	10 Hz, 100 Hz
Accuracy	0.2% from full scale value
Temperature coefficient	+/- 250 ppm/K
Coordination of insulation according to DIN EN 50178, 04/98	
Rated voltage	300 V
Rated surge voltage	4 kV
Overvoltage category	III
Contamination class	2
Clearance and creepage distances	5.5 mm
Test voltage	4 kV_{eff}
General Data	
Operating temperature	0°C…+55°C (mounted on horizontal DIN rail)
Storage temperature	-20°C…+85°C
Standards/Specifications	EN 50178
EMC standards	EN 50082-2, EN 50081-1, EN 50081-2 EN 55011
Factory setting	0…20 mA, 10 Hz
Dimensions W/L/H mm (in.)	17.5/92.4/112.5 (0.69/3.64/4.43)
Weight	100 g
Approvals	CE cULus

* Tu 23°C, single module

	SW 1			
Input	**1**	**2**	**3**	**4**
0…20 mA	□	□	□	
4…20 mA	■	□	□	
0…5 V	■	■	■	
0…10 V	□	■	□	
Cut-off frequency				
10 Hz				■
100 Hz				□

■ = on
□ = off

Application