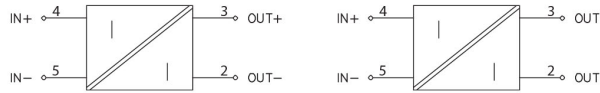


- Input: 4...20 mA
- Output: 4...20 mA
- Insulation: 1.5 kVac, 2-way isolation
- Suitable for loop powered sensors

NOTE

(1) In order to ensure an output current of 20 mA, the input voltage must have a value higher than that resulting from the formula, where Rb is the resistance of the applied load (see figure 1), for greater ease we report the voltage graph minimum input according to the load variation applied at the outlet (see figure 2).

(2) New model, available starting from November 2020



APPLICATIONS

Passive galvanic isolators are used to separate signals generated by active (i.e. powered) sensors, and are also referred to as current loop or loop powered. The load applied to them must have a resistance of below 400 Ω at 20 mA, including the resistance of the conductors.

The input voltage delivered must be 2.7 V higher than the output voltage (see note 1).

When these use conditions are met, passive converters are able to reduce wiring costs for power supply cables and prevent the need for external power supplies; they are not suitable for long connection wiring since they can heavily influence the output signal level.

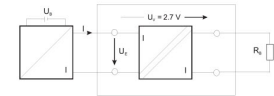


fig. 1

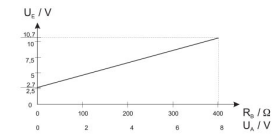


fig. 2

CODE	X756526	XCONPC528P
TYPE	CWPAA 7-0526	CON-PC-528P (2)
INPUT TECHNICAL DATA		
Signal type IN	analogue	analogue
Input range IN	0...20 mA, 4...20 mA	4...20 mA
Maximum voltage current signal IN	[20 mA x Rb]+ 2.7 (1)	—
Input impedance IN	1 kΩ	—
Parametrization IN	—	—
OUTPUT TECHNICAL DATA		
Signal type OUT	analogue	analogue
Output range OUT	0...20 / 4...20 mA, (max 21 mA)	4...20 mA
Maximum output signal OUT	21 mA	—
Load impedance OUT	—	<1 KΩ (Rb)
Ripple OUT	<5 mV	<5 mV
Status indication OUT	—	LED
Parametrization OUT	—	—
GENERAL TECHNICAL DATA		
Power supply voltage	—	—
Current consumption	—	—
Accuracy	0.1% FSR [23°C]	0.1% FSR [23°C]
Linearity error	—	<0.06% [100 Ω]
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—
Transmission frequency	—	—
Resolution	—	—
Rise time	6 ms	—
Operating temperature range	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	1.5 kVac / 60 s
Insulation type	2-way (IN / OUT)	2-way (IN / OUT)
Standard approvals	—	EN 60947-5-1
EMC Standards	—	—
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN / OUT	1.5 mm ² / 1.5 mm ² (screw)	2.5 mm ² / 2.5 mm ² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material
Dimensions	6.2x90x92.5 mm	6.2x93x73 mm
Approximate weight	35 g	40 g
Mounting informations	on a rail, side by side	on a rail, side by side
APPROVALS	CE	CE
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	—
Mounting rail (IEC60715/TH35-15)	—	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Marking tag	—	—
Plugin jumper red	CWBK 7-0802 (code X766802)	—
Plugin jumper white	CWBK 7-0803 (code X766803)	—
Plugin jumper blue	CWBK 7-0804 (code X766804)	—