

Specifications: IsoPAQ-110L

Input

Input signal	0(4)-20 mA
Operating current	< 100 μ A
Voltage drop	< 3 V
Overload	\leq 50 mA, \leq 15 V

Output

Output signal	0(4)-20 mA
Load	< 600 Ω
Response time (10 to 90 % of end value)	5 ms @ 500 Ω load
Ripple	< 0.1 % of end value, \sim 100 kHz

General data

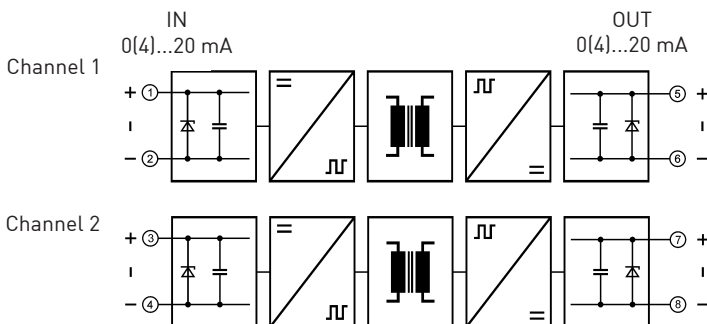
Transmission error	\pm 0.1 % of end value
Load error	\pm 0.05 % of measured value/100 Ω load
Temperature coefficient ¹⁾	\pm 0.004 %/K of measured value/100 Ω load
Test voltage	2.5 kV, 50 Hz Between all circuits
Working voltage ²⁾ (Basic Insulation)	600 VAC/DC for overvoltage category II and pollution degree 2 acc. to EN 61010 part 1 between all circuits.
Protection against electrical shock ²⁾	Protective separation acc. to EN 61140 by reinforced insulation acc. to EN 61010 part 1 up to 300 VAC/DC for overvoltage category II and pollution degree 2 between all circuits.
Ambient temperature	Operation 0 to +55 °C (32 to +131 °F) Transport and storage -25 to +80 °C (-13 to +176 °F)
EMC ³⁾	EN 61326-1
Construction	11.2 mm (0.44") housing, protection class: IP20
Connection	\leq 2.5 mm ² , AWG 14
Weight	Approx. 50 g

1) Average TC in specified operating temperature range

2) As far as relevant the standards and rules mentioned above are considered by development and production of our devices. In addition relevant assembly rules are to be considered by installation of our devices in other equipments. For applications with high working voltages, take measures to prevent accidental contact and make sure that there is sufficient distance or insulation between adjacent situated devices.

3) Minor deviations possible during interference

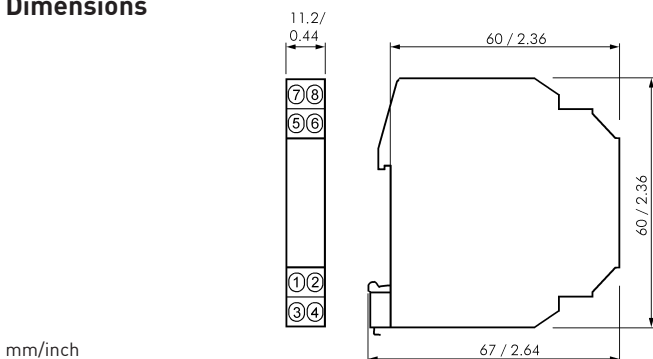
Block diagram/Connections



Ordering information

Product	Input / Output	Part No.
IsoPAQ-110L	1-channel, 0(4)-20 mA	70ISC11001
IsoPAQ-110L	2-channel, 0(4)-20 mA	70ISC11002

Dimensions



mm/inch