

APPROVED IN ACCORDANCE WITH THE EUROPEAN
STANDARD 2014/34/EU - ATEX



These intrinsically safe barriers allow to repeat in a safe area a potentiometric signal located in an hazardous area.

Certificate N° TUV 99.ATEX.1405 II 1G Exia IIC T4

These devices provide a complete galvanic isolation between the two areas under control.

GENERAL FEATURES

- Single measuring channel.
- LED operating indicator.
- Analog output.
- 35 mm DIN bar mounting.

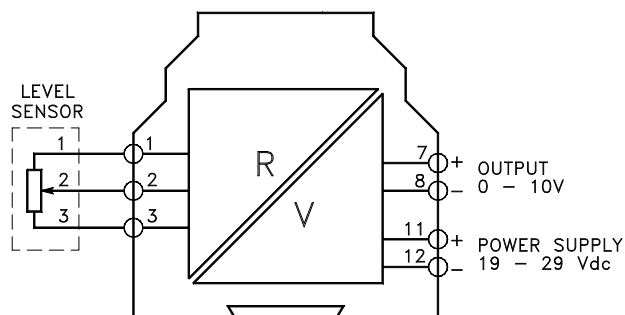


TECHNICAL DATA

Tab.1

Description	Technical data		Code
Type	Active barrier		A
Hazardous area – Safety grade	II 1G Exia IIC T4		-
Signal input	N. 1 potentiometric channel 800Ω - 20KΩ - Max. cable 50Ω		POT
Power to sensor in hazardous area	5 Volt $U_o \leq 13,8V$ - $I_o \leq 35mA$ - $P_o \leq 121mW$		-
Safe area output	0 ÷ 10 V	Load > 500Ω	0/10
Linearity	< 0,2%	F.S.	-
Precision	< 0,2%	F.S.	-
Temperature coefficient	< 0,02%	K°	-
Operating indicators	Green LED	Power supply On	-
Power supply	19 ÷ 29 Vdc		24D
Power consumption	1,8W max.		-
Electrical insulation	250Vac – 250 Vdc		-
Working temperature	-20°C ÷ +60°C		-
Degree of protection	IP20		-
Terminal board	≤ 2,5 mm ²		-
Mounting	35 mm.DIN bar		-
Dimensions	104 x 110 x 18 mm - Weight 125g		-

WIRING



NOMENCLATURE

BARRIERA	A	POT	0/10	24D
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Name
Tab.1 A = Active
Tab.1 Type of input
Tab.1 Output signal
Tab.1 Power supply