

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



These intrinsically safe barriers allow to repeat in a safe area a 4-20 mA analog signal located in an hazardous area.
Certificate N° **TUV 15 ATEX 158337X II 1GD Exia IIC T4**.
These devices provide a complete galvanic isolation between the two areas under control.

GENERAL CHARACTERISTICS

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

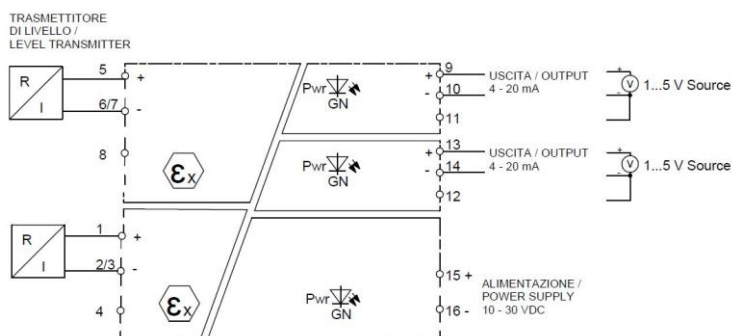


TECHNICAL DATA

Tab.1

Description	Technical data			Code
Type	Active barrier			A
Hazardous area – Safety grade	II 1GD Exia IIC T4			
Signal input	N. 2 analogs channels 4-20 mA			2 ANG
Hazardous area output	$U_o < 26,1V$ - $I_o \leq 97mA$ - $P_o \leq 632mW$			-
Safe area output	4 ÷ 20 mA	Source / Sink	Load $\leq 800\Omega$	4/20
	1 ÷ 5 V	Source	-	1/5
Precision	< 0,1%	F.S.		-
Temperature coefficient	< 0,5 $\mu A / K^\circ$			-
Response time	$\leq 10ms$			-
Power supply	10 ÷ 30 Vcc			24D
Electrical insulation	2,5kV			
Power consumption	$\leq 3,8W$ max.			-
Working temperature	$-25^\circ C \div +70^\circ C$			-
Degree of protection	IP20			-
Terminal board	$\leq 1,5 mm^2$			-
Mounting	35 mm DIN bar			-
Dimensions	120 x 117 x 12,5 mm - Weight 183g			-

WIRING



NOMENCLATURE

BARRIERA	A	IIC	2 ANG	4/20	24D
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				•	
					•

	Name
Tab.1	A = Active
Tab.1	Safety grade
Tab.1	Type of input
Tab.1	Output signal
Tab.1	Power supply