

**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.



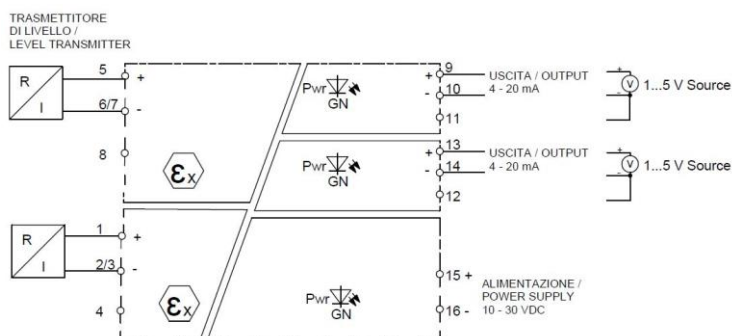
## GENERAL CHARACTERISTICS

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

## TECHNICAL DATA Tab.1

Description	Technical data			Code
Type	Active barrier			<b>A</b>
Hazardous area – Safety grade	II 1GD Exia IIC T4			
Signal input	N. 2 analogs channels 4-20 mA			<b>2 ANG</b>
Hazardous area output	U <sub>o</sub> < 26,1V - I <sub>o</sub> ≤ 97mA - P <sub>o</sub> ≤ 632mW			-
Safe area output	4 ÷ 20 mA	Source / Sink	Load ≤ 800Ω	<b>4/20</b>
	1 ÷ 5 V	Source	-	<b>1/5</b>
Precision	< 0,1%	F.S.		-
Temperature coefficient	< 0,5 μA / K°			-
Response time	≤ 10ms			-
Power supply	10 ÷ 30 Vcc			<b>24D</b>
Electrical insulation	2,5kV			
Power consumption	≤ 3,8W max.			-
Working temperature	-25°C ÷ +70°C			-
Degree of protection	IP20			-
Terminal board	≤ 1,5 mm <sup>2</sup>			-
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	Name
•						Tab.1 A = Active
	•					Tab.1 Safety grade
		•				Tab.1 Type of input
			•			Tab.1 Output signal
				•		Tab.1 Power supply