

APPROVED IN ACCORDANCE WITH THE EUROPEAN STANDARD 94/9/CE - ATEX



These intrinsically safe barriers allow to repeat in a safe area a 4-20 mA analog signal located in a hazardous area.
 Certificate N° **TUV 08 ATEX 554801 II 1GD Exia IIB T4**.
 These devices provide a complete galvanic isolation between the two areas under control.



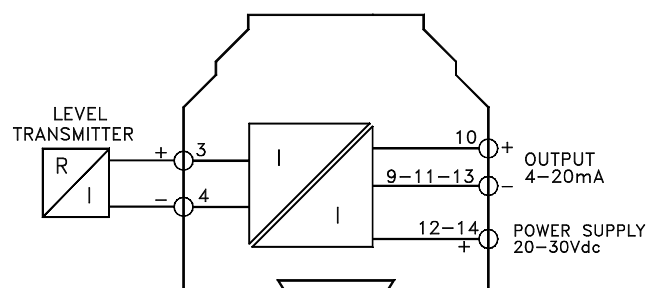
GENERAL CHARACTERISTICS

- 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 1GD Exia IIB T4	IIB
	II 1GD Exia IIC T4 on request	IIC
Signal input	N. 1 analog channel 4-20 mA	ANG
Hazardous area output	$U_o \leq 23V - I_o \leq 64,5mA - P_o \leq 750mW$	-
Safe area output	4 ÷ 20 mA Load $\leq 500\Omega$	4/20
Precision	< 0,1% F.S.	-
Temperature coefficient	< 0,5 $\mu A / K^\circ$	-
Response time	$\leq 10ms$	-
Operating indicators	Green LED Power supply On	-
Power supply	20 ÷ 30 Vcc	24D
Electrical insulation	2,5kV	-
Power consumption	1W max.	-
Working temperature	-25°C ÷ +70°C	-
Degree of protection	IP20	-
Terminal board	$\leq 1,5 mm^2$	-
Mounting	35 mm DIN bar	-
Dimensions	112 x 110 x 18 mm - Weight 112g	-

WIRING



NOMENCLATURE

BARRIERA	A	IIB	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