

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



The intrinsic safety barriers for level sensors MULTIPOINT I (On-Off) allow to repeat, in a safe area, a NO or NC contact installed in an hazardous area.

Certificate N. TUV 07 ATEX 553234 II 1GD Exia IIC T6.

They are available both in single channel or dual channel with full galvanic insulation between the two areas under control.



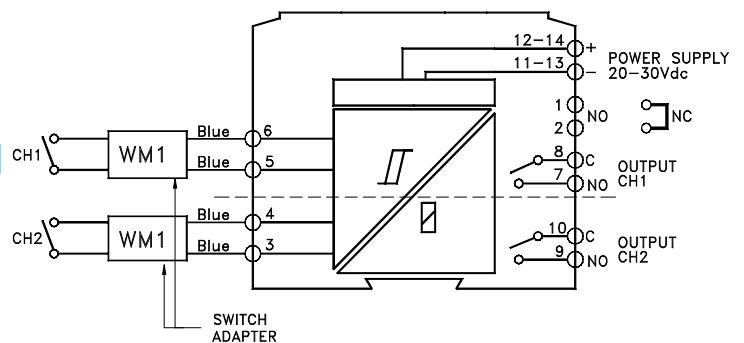
GENERAL CHARACTERISTICS

- One or two measuring channel.
- LED operating indicator.
- Relay 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 T6	-
1 channel input	N. 1 channel (CH1) = N.1 contact from the field	1SW
2 channels input	N. 2 channels (CH2) = N.2 contacts from the field	2SW
Hazardous area output	$U_o \leq 9,6V$ - $I_o \leq 10mA$ - $P_o \leq 24mW$	-
Safe area output	Relay – N.1 contact selectable NO or NC for each channel	1/2
Relay maximum load	250Vac -2A – 500VA - $\cos\phi > 0,7$ / 120Vdc – 2A – 60W	-
Operating indicators	Green LED	Power supply On
	Yellow LED	Relay On
	Red LED	Line break
Power supply	20 ÷ 30 Vdc	24D
Power consumption	1,7W max.	-
Electrical insulation	2,5 kV	-
Working temperature range	-20°C ÷ +70°C	-
Degree of protection	IP20	-
Terminal board	≤ 1,5 mm ²	-
Mounting	35 mm. DIN bar	-
Dimensions	112 x 110 x 18 mm Weight 120g	-

WIRING



NOMENCLATURE

BARRIERA	A	2SW	1/2	24D
•				
	•			
		•		
			•	
				•

Name
Tab.1 Active barrier
Tab.1 N. of input channels
Tab.1 Output contact selectable NO or NC for each channel
Tab.1 Power supply