

POTENTIOMETER

Zones 1, 2, 21, 22

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CONTROL & CONNECTION EQUIPMENT

ATEX CONTROL STATIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex e Potentiometer made of glass fibre reinforced polyester for application in hazardous areas.

Can be supplied with M20 cable glands for armored or non-armored cable.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:			Item No.:
	Potentiometer 1 kOhm (scale 0...10)	M20 Plastic cable gland	3J0901
	Potentiometer 10 kOhm (scale 0...10)		3J0904
	Potentiometer 1 kOhm (scale 0...10)	M20 Brass Cable Gland	3J0905
	Potentiometer 10 kOhm (scale 0...10)		3J0908
	Potentiometer 1 kOhm (scale 0...10)	M20 Nickel-Plated Brass Cable Gland	3J0909
	Potentiometer 10 kOhm (scale 0...10)		3J0912

TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex ed IIC T6 Gb II 2D Ex tb IIIC T80°C
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +40°C
Ingress protection:	IP65
Material:	Glass fibre reinforced polyester (GRP)
Cable entries:	1xM20x1,5

INTERNAL CONTACT MODULE

Marking:	II 2G Ex de IIC I M2 Ex de I	Rotation:	mech. 285° -5° electr. about approx. 250°
Certificate:	EU-Type Examination Certificate	Rated output:	max. 1 W at $T_a < +40^\circ\text{C}$
Operating temperature:	-55°C to +60°C	Resistor material:	carbon film on ceramics
Ingress protection:	IP20	Torque (beginning):	0.5 to 1.5 Ncm
Rated insulation voltage:	500 V	Torque (end stop):	≥ 100 Ncm
Max. rated voltage:	AC/DC 320 V	Enclosure material:	thermoplastic
Resistance:	1 kΩ to 10 kΩ	Connection:	Double terminals 2 x 2.5 mm ²
Curve shape:	linear	Mechanical life:	25000 sinusoidal cycles
Resistance tolerance:	± 20 %	Weight:	approx. 71 g