

# AB1-P3 POTENTIOMETER

Zones 1, 2, 21, 22

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CONTROL & CONNECTION EQUIPMENT

## ATEX CONTROL STATIONS

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

The potentiometer type AB1-P3 is a reliable setpoint transmitter for controlling machines and systems in hazardous areas of zone 1/2 and zone 21/22. The high degree of IP protection and the corrosion-resistant stainless steel housing guarantee a long service life even under aggressive environmental conditions.

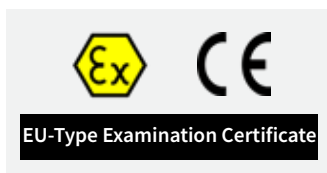
Due to its flat design and rounded edges, the potentiometer offers little surface for external damage and dirt deposits.

The engraved scale in an elegant design guarantees optimal durability even under aggressive conditions.

**CONNECT and ACT** – Due to the approval as a device, the potentiometer can be installed in the front of a machine without further certification. The low installation depth enables a particularly space-saving use.

This potentiometer has also been tested in order to be installed in Ex e and Ex t control panels.

A plastic lock nut is included in the scope of delivery.



### ITEM REFERENCES

Designation:	Resistor:	Cable length:	Item No.:
AB1-P3-1101 1	1 kΩ	1,5 m	3A1301
AB1-P3-1101 2		3 m	3A1302
AB1-P3-1101 3		5 m	3A1303
AB1-P3-1101 4		10 m	3A1304
AB1-P3-1301 1	5 kΩ	1,5 m	3A1305
AB1-P3-1301 2		3 m	3A1306
AB1-P3-1301 3		5 m	3A1307
AB1-P3-1301 4		10 m	3A1308
AB1-P3-1401 1	10 kΩ	1,5 m	3A1309
AB1-P3-1401 2		3 m	3A1310
AB1-P3-1401 3		5 m	3A1311
AB1-P3-1401 4		10 m	3A1312

### ACCESSORIES



Description:	Item No.:
Earthing set (earth lug + nut)	216742
Stopping plug M22 x 1.5 VA	216751

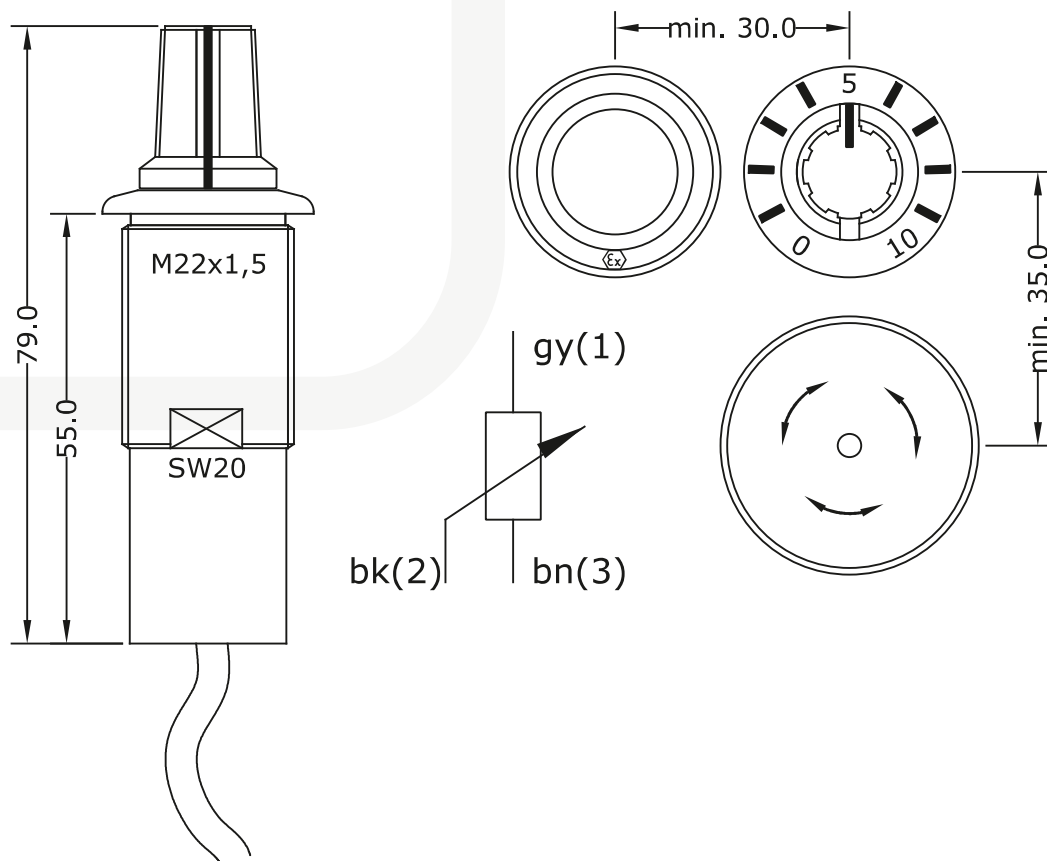
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## TECHNICAL SPECIFICATIONS

Marking:	 II 2G Ex db eb IIC T6 Gb  II 2D Ex tb IIIC T85°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +60°C
Operating voltage:	24 VDC
Resistance value (linear):	1 kΩ, 5 kΩ, 10 kΩ ±10 %
Power consumption:	max. 1 W
Connecting cable:	4G0.5 mm <sup>2</sup> Ø5.7 mm
Electrical connection:	(1) grey = input (2) black = sliding contact (3) brown = output green/yellow = internal earth
Rotation angle:	295 °
Housing:	Stainless steel 1.4305
Sealing:	EPDM
Ingress protection:	IP66
Impact resistance:	7 Nm
Mounting hole:	22.0 ... 22.3 mm / M22 x 1.5
Torque:	8 Nm
For housing thickness:	1.0 ... 15.0 mm
Weight:	180 gr (1.5 m)



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