



EP A/B POTENTIOMETER



Potentiometer
EP series

Encoders with potentiometric output signal.
The potentiometer is sealed in a robust cover and it is supported by two bearings. It assures excellent lifetime, speed and precision performances.



Ordering code

Full stop to separate special versions

EP A 103/10 P R . XXX

Special version code numbered from 001 to 999

A axial

R radial

P Cable output (standard length 1.5 m)

Resistivity

502/1 5 Kohm/1 turns (mod. A)

502/3 5 Kohm/3 turns (mod. B)

103/1 10 Kohm/1 turns (mod. A)

103/3 10 Kohm/3 turns (mod. B)

103/10 10 Kohm/10 turns (mod. A)

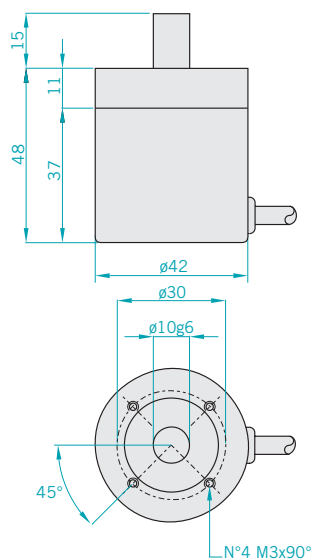
Shaft type

A mod. EP A $\varnothing$ 10 shaft

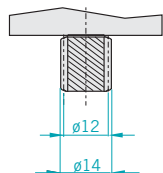
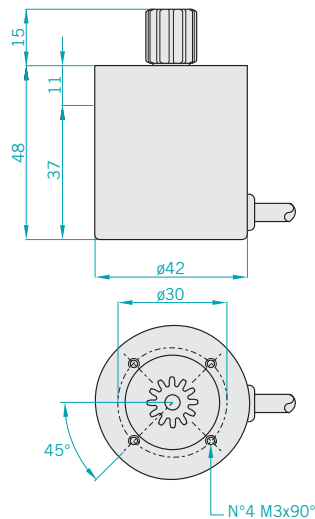
B mod. EP B toothed shaft

EP Eltra's potentiometer

EP A



EP B



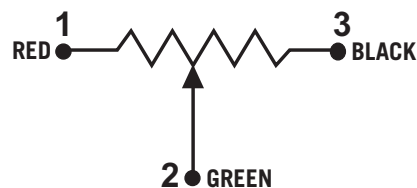
TOOTH SPECIFICATIONS

z = 12
m = 1
p = 3.1415

General specifications

Available potentiometers	5 Kohm/1 turn (mod.A) 5 Kohm/3 turns (mod.B) 10 Kohm/1 turn (mod.A) 10 Kohm/3 turns (mod.B) 10 Kohm/10 turns (mod.A)
Tolerance	$\pm 5\%$
Linearity	$\pm 0.25\%$
Power rating (70°C)	model A: 2.0 watt model B: 1.0 watt
Lifetime	300.000 for model B 1.000.000 for model A
Shock	50G for 11 msec
Vibrations	15G 10÷2000 Hz
Shaft diameter	$\varnothing 10 g6$
Shaft material	Stainless steel AISI303
Toothed shaft specifications	Z = 12/m = 1/p = 3.1415
Toothed shaft material	Steel C45
Housing material	PA 66 reinforced with fiber glass
Body material	Aluminium UNI 900/5
Bearings	n° 2 ball bearings
Weight	150g

Colours and connections



Operating specifications

Enclosure rating	IP54 Standard
Operating temperature	0° ÷ +60°C
Storage temperature	-25° ÷ +70°C

SPECIAL PRODUCTS

PV001IT0305A

EP A/B



Eltra®

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