

MAGNETIC POSITION DETECTOR

magneto-inductive type

for series 448 rodless cylinders types STBN - STB - STBB



Series 881

OPERATING PRINCIPLE

The permanent magnet is mounted to the piston. When the magnet approaches the detector, its own magnetic field generates variations of the current within the detector oscillator. An amplifier converts them into switch signals.



DETECTOR CHARACTERISTICS

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MAX. SWITCHING CAPACITY	10 VA		
SWITCHING VOLTAGE	10 to 30 V DC		
FUNCTION	PNP or NPN on closing		
MAX. NOMINAL CURRENT	200 mA		
RESIDUAL VOLTAGE AT I	< 3 v		
SWITCHING TIME	< 2 ms		
REVERSE POLARITY PROTECTION	integrated		
SHORT-CIRCUIT PROTECTION	integrated		
SWITCHABLE CAPACITY	0,1μF at 100 Ω, 24 V DC		
SWITCHING DISTANCE	approx. 15 mm		
HYSTERESIS	< 2 mm		
LIFE	practically unlimited		
WORKING TEMPERATURE	-25°C to +80°C		
HOUSING	PEI IPOZ		
DEGREE OF PROTECTION(CEI 529)	IP67		
SIGNAL INDICATION	Yellow diode (LED) which lights up when the contact is established		
CONNECTION (2 possibilities / 2 types at option)	0,1 m PUR lead + 3-pin screw-type male connector, Ø M8 PNP function	0,145 m PUR lead + 3-pin screw-type male connector, Ø M8 NPN function	
	88144817 PNP 400% 26cas C €	88144818 [NPN] 1-000 (Secure C C C)	
Weight (g)	5,4	6	
CODE DETECTOR + MOUNTING KIT (1)	88144817	88144818	

(1) Detector supplied with mounting kit for direct fitting into one of the dovetail rails on the rodless cylinder.

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BCAEAutomation Solutions

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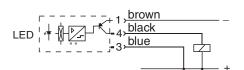
Cylinders & Actuators - 149 包含:(86-532)585-10-365 Email: sales@bechinas.com

All leaflets are available on: www.asco.com

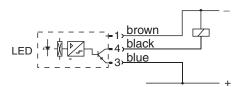


WIRING DIAGRAM OF MAGNETO-INDUCTIVE POSITION DETECTOR

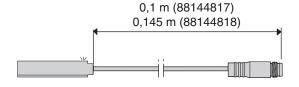
Detector **88144817 PNP** functin on closing



Detector **88144818 NPN** function on closing



MAGNETO-INDUCTIVE DETECTOR CONNECTION: 1 possibility

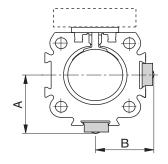




PUR lead outlet \varnothing 3 mm with 3-pin screw-type male connector \varnothing M8

View on pin side of male connector

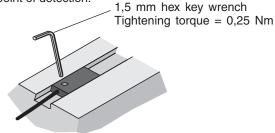
DIMENSIONS



Bore (mm)	А	В
16	20,5	20
25	27	25
32	34	31
40	39	36
50	48	43
63	59	53
80	72	66

DETECTOR MOUNTING

The detector is directly fitted into one of the dovetail rails on the rodless cylinder using a hex key wrench. It is fastened with a locking screw after having been positioned at the point of detection.



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