

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

MAX. SWITCHING CAPACITY	10	\/A
SWITCHING CAPACITY	10 VA	
FUNCTION	10 to 30 V DC	
MAX. NOMINAL CURRENT	PNP or NPN on closing	
	200 mA < 3 v	
RESIDUAL VOLTAGE AT I LMAX SWITCHING TIME	< 3 V < 2 ms	
REVERSE POLARITY PROTECTION	· = ····•	
SHORT-CIRCUIT PROTECTION	integrated	
SWITCHABLE CAPACITY	integrated $0,1\mu F$ at 100 $\Omega,$ 24 V DC	
SWITCHING DISTANCE	approx. 15 mm	
HYSTERESIS	арргох. 13 mm	
LIFE	practically unlimited	
WORKING TEMPERATURE	-25°C to +80°C	
HOUSING	PEI	
DEGREE OF PROTECTION(CEI 529)	IP67	
SIGNAL INDICATION `	Yellow diode (LED) which lights up when the contact is established	
	, , ,	
CONNECTION	0,1 m PUR lead	0,145 m PUR lead
(2 possibilities / 2 types at option)	+ 3-pin screw-type male connector, Ø M8	+ 3-pin screw-type male connector, Ø M8
	PNP function	NPN function
	88144817	88144818
	PNP 150 + 10 - 20/02 C (NPN 1-(b) + (0) - 30/0C (
	\odot	
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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BCAE

Industrial Automation

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服务热线:4006-918-365

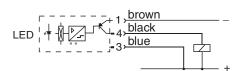
网址:http://www.asco.store

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

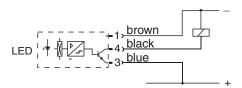


WIRING DIAGRAM OF MAGNETO-INDUCTIVE POSITION DETECTOR

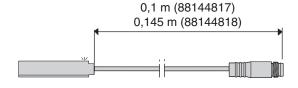
Detector **88144817 PNP** functin on closing



Detector **88144818 NPN** function on closing



MAGNETO-INDUCTIVE DETECTOR CONNECTION: 1 possibility

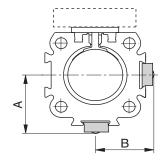




PUR lead outlet \varnothing 3 mm with 3-pin screw-type male connector \varnothing M8

View on pin side of male connector

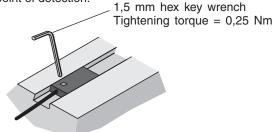
DIMENSIONS



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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