

FEATURES

- A detector for actuator with "C" grooves, mounted sliding across the tube slot.
- Static non-contact proximity switch on pneumatic cylinders equipped with built-in permanent magnets.

FUNCTIONAL DESCRIPTION

When the permanent magnet which is mounted on the piston approaches the detector, the magnetic field it generates causes the semiconductors' resistors to change. This current variation increases the resistance and a switching signal is generated.



ELECTRICAL CHARACTERISTICS

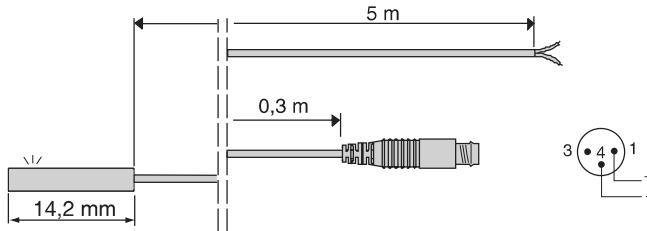
	10-28 VDC	4,5-28 VDC
Max. switching power	0,6 W	1,5 W
Max. switching current	4-20 mA	50 mA
Number of wires	2	3
Reverse polarity protection	NO	YES
Overload protection	NO	NO
Short-circuit protection	NO	NO
Voltage drop	3,5V	0,5V (50 mA)
Max. leakage current	0,8 mA	0,01 mA
Max. allowable overvoltage	30V DC	
Sensitivity	40 Gauss	
Response time	1000 Hz	
Repeatability	0,5 mm	
Working temperature	-10 + 70 °C	
Housing material	ABS	
Cable material	PVC	
Degree of protection	IP67	
Signal indication	red LED	
Approval	CE RoHS	

SPECIFICATIONS

Operating voltage	10-28 V DC		4,5-28 V DC	
	2 wires		3 wires	
Connection				
	5 metre cable	0,3 metre cable + M8 connector	5 metre cable	0,3 metre cable + M8 connector
Weight (g)	50 / 12			
Compatible cylinders:	15-DIGIT PRODUCT CODE detector supplied with cable holding clip (versions with lead outlet only) and adjustment position stop (all versions)			
Series G441	P494A0011100A00	P494A0011200A00	P494A0012100A00	P494A0012200A00

CONNECTION

2 WIRES
P494A0011100A00

2 WIRES
P494A0011200A00

 Lead outlet Ø 3 mm, stripped ends
 2 wires 0,14 mm² -

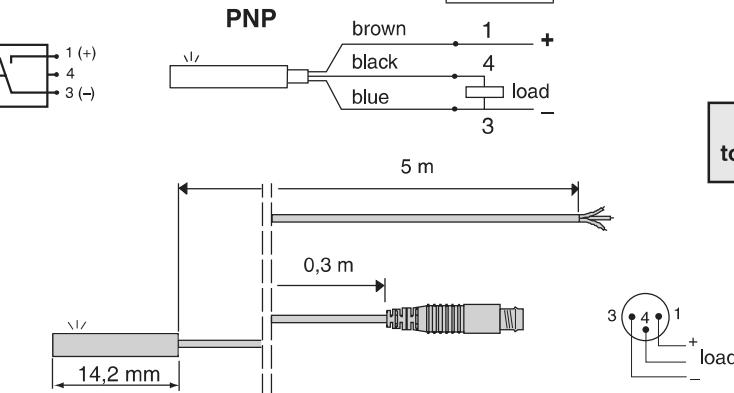
 brown : +
 blue : -

Lead outlet Ø 3 mm with 3-pin plug-in male connector + screw Ø M8

 2 wires 0,14 mm²

 brown : + (Pin 1)
 blue : - (Pin 4)
 Pin 3 : No used

3 WIRES
P494A0012100A00

3 WIRES
P494A0012200A00

 Lead outlet Ø 3 mm, stripped ends
 3 wires 0,14 mm² -

 brown : +
 blue : -
 black : load

Lead outlet Ø 3 mm with 3-pin plug-in male connector + screw Ø M8

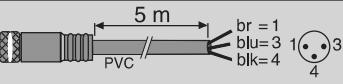
 3 wires 0,14 mm²

 brown : + (Pin 1)
 blue : - (Pin 4)
 black : load (Pin 3)

Mounting recommendation:

Do not subject the power supply cable to damaging traction / torsion during its service life.

ACCESSORIES

	description	catalogue number
extension consisting of PVC, length 5 m, 3 wire conductor 0.25 mm ² with 1 screw-on female M8 connector (other end plain)		P4994406200N001
straight 3-pin female connector Ø M8, IP67		P4994406220N001
right angle 3-pin female connector Ø M8, orientable 90° x 90°, IP67		P4994406230N001