

### 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:	<b>15-DIGIT PRODUCT CODE</b> detector supplied with cable holding clip (versions with lead outlet only) and adjustment position stop (all versions)			
<u>Series G441</u>	P494A0011100A00	P494A0011200A00	P494A0012100A00	P494A0012200A00

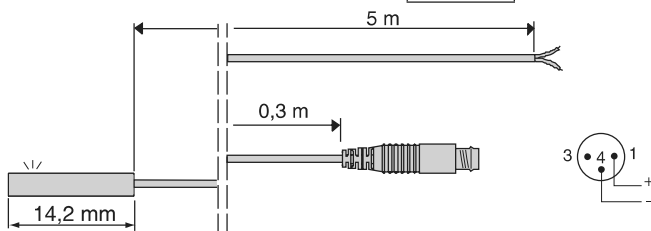
## CONNECTION



**2 WIRES**  
**P494A0011100A00**



**2 WIRES**  
**P494A0011200A00**



Lead outlet Ø 3 mm, stripped ends  
2 wires 0,14 mm<sup>2</sup> -

**brown** : +  
**blue** : -

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

2 wires 0,14 mm<sup>2</sup>

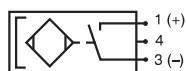
**brown** : + (Pin 1)  
**blue** : - (Pin 4)  
**Pin 3** : No used



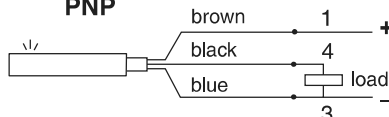
**3 WIRES**  
**P494A0012100A00**



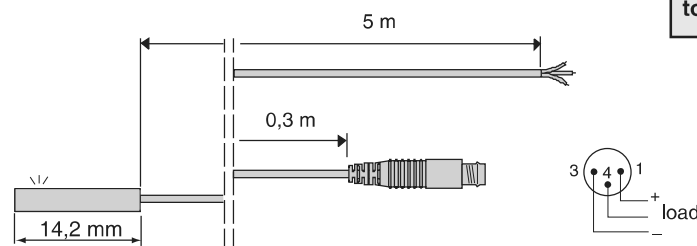
**3 WIRES**  
**P494A0012200A00**



**PNP**



**Polarities  
to be observed**



Lead outlet Ø 3 mm, stripped ends  
3 wires 0,14 mm<sup>2</sup> -

**brown** : +  
**blue** : -  
**black** : load

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

3 wires 0,14 mm<sup>2</sup>

**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 <sup>2</sup> with 1 screw-on female M8 connector (other end plain)	 <b>P4994406200N001</b>
straight 3-pin female connector Ø M8, IP67	 <b>P4994406220N001</b>
right angle 3-pin female connector Ø M8, orientable 90° x 90°, IP67	 <b>P4994406230N001</b>