

**INTERRUTTORI DI PROSSIMITA'  
INDUTTIVI  
CON ALIMENTAZIONE 10 ÷ 60 Vdc**

**SERIE  
*SERIES***

**B10**

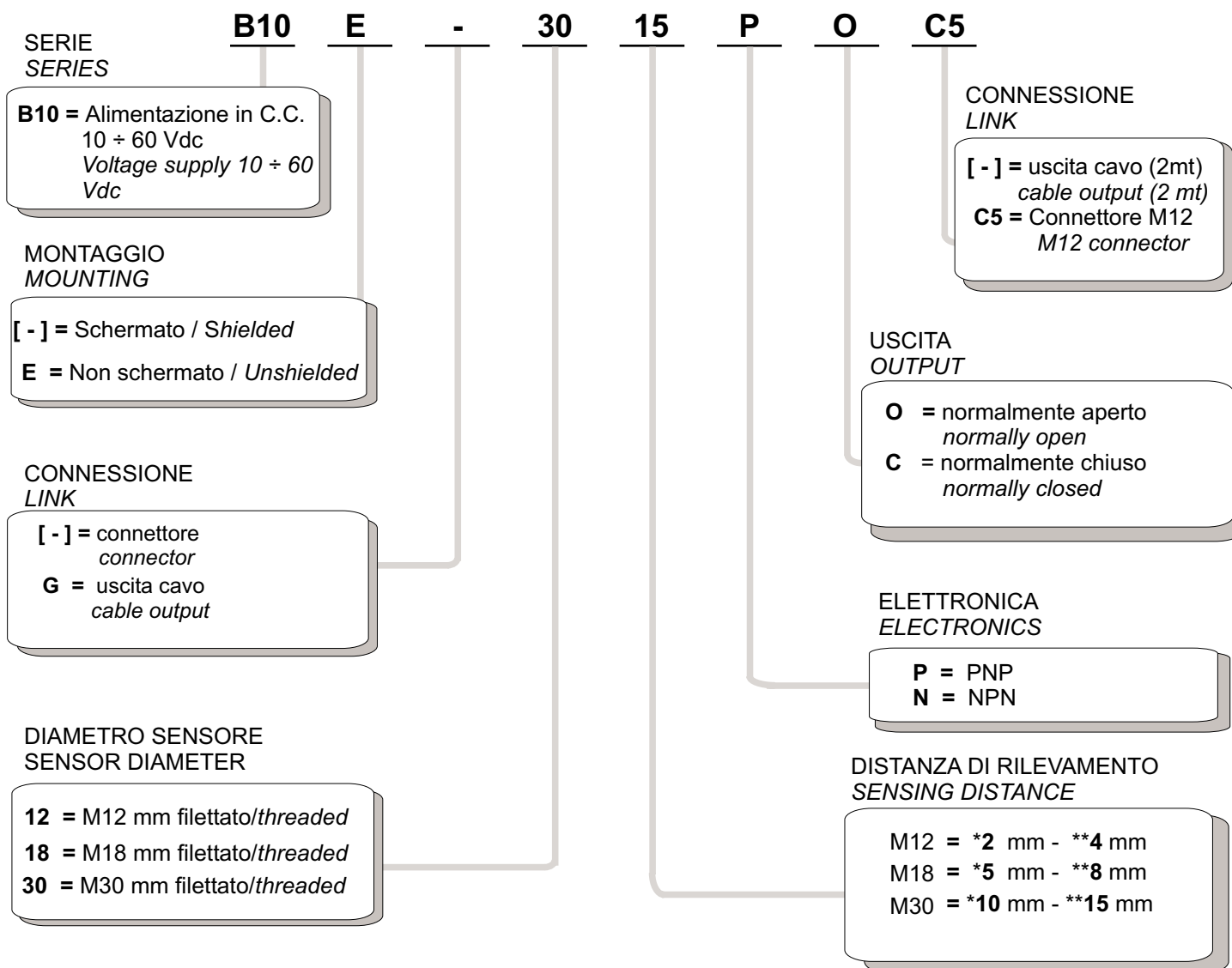
***INDUCTIVE PROXIMITY SWITCHES  
10 ÷ 60 Vdc SUPPLY VOLTAGE***

**INTERRUTTORI DI PROSSIMITA' INDUTTIVI  
CON ALIMENTAZIONE A 10 ÷ 60 Vdc  
INDUCTIVE PROXIMITY SWITCHES  
10 ÷ 60 Vdc SUPPLY VOLTAGE**



**INTERRUTTORI DI PROSSIMITA' CILINDRICI  
INDUTTIVI DIAM. 12, 18, 30 mm.  
USCITA CAVO O CONNETTOREM12  
ALIMENTAZIONE IN C.C. 10 ÷ 60 Vdc**

**INDUCTIVE CYLINDRICAL PROXIMITY SWITCHES  
12, 18, 30 mm DIAMETER.  
CABLE OUTPUT OR CONNECTOR OUTPUT  
C.C. 10 ÷ 60 Vdc SUPPLY VERSION**

**COME ORDINARE**
**HOW TO ORDER**


PLEASE NOTE: this matrix is intended only to aid you in identifying sensor catalog listing. It is not all-inclusive and must not be used to form new listings  
NOTA BENE: questo schema è fornito solo per aiutare a identificare le caratteristiche dei prodotti a catalogo. Non è onnicomprensivo e pertanto non deve essere usato per creare nuovi riferimenti di prodotti.

\* totalmente schermato / *shielded*  
\*\* parzialmente schermato / *unshielded*

**CARATTERISTICHE ELETTRICHE**
**ELECTRICAL FEATURES**

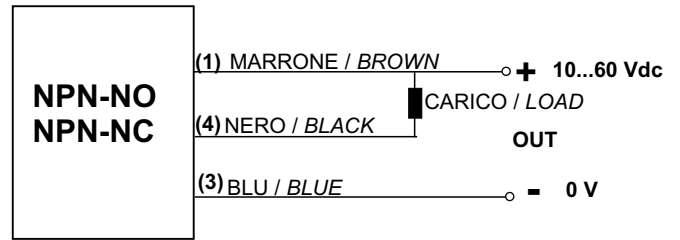
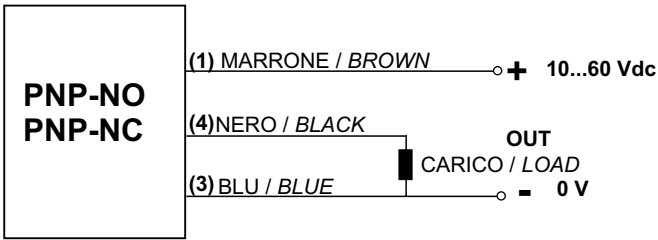
ALIMENTAZIONE	<b>10 ÷ 60 Vcc/Vdc</b>	SUPPLY VOLTAGE
ONDULAZIONE RESIDUA	<b>≤ 10%</b>	RIPPLE
ASSORBIMENTO	<b>&lt; 10 mA</b>	POWER CONSUMPTION
CARICO MASSIMO	<b>200 mA</b>	MAXIMUM LOAD
CADUTA DI TENSIONE	<b>&lt; 3 Vdc @ 200 mA</b>	VOLTAGE DROP
PROTEZIONE C.C.	<b>SI / YES</b>	SHORT CIRCUIT PROTECTION
PROTEZIONE INVERS. POLARITA'	<b>SI / YES</b>	REVERSAL POLARITY PROTECTION
LED DI SEGNALEZIONE	<b>SI / YES</b>	OUTPUT STATUS LED
COMPATIBILITA' ELETTROMAGNETICA CE	<b>EN60947-5-2</b>	CE COMPLIANCE
CERTIFICAZIONE	<b>CE</b>	CERTIFICATION

**CARATTERISTICHE TECNICHE**
**TECHNICAL FEATURES**
**SENSORI DIAMETRO 12 mm**
**12 mm DIAMETER SENSORS**

	M12		
SCHERMATO	•		SHIELDED (FLUSH)
NON SCHERMATO		•	UNSHIELDED (NON FLUSH)
DISTANZA D'INTERVENTO - S <sub>n</sub>	2	4	S <sub>n</sub> - SENSING DISTANCE
DISTANZA REALE	± 10% S <sub>n</sub>		REAL DISTANCE
ISTERESI	≤ 10% S <sub>n</sub>		HYSTERESIS
RIPETIBILITA'	< 2% S <sub>n</sub>		REPEATABILITY
FREQUENZA MASSIMA	1500 Hz	1000 Hz	MAX. SWITCHING FREQUENCY
TEMPERATURA DI LAVORO	-25°C ÷ +70°C		WORKING TEMPERATURE
MAT. CORPO METALLICO	OTTONE NICHELATO – NICKEL PLATED BRASS		BODY MATERIAL
PROTEZIONE	IP67 (con connettore montato/with connector mounted)		PROTECTION RATING
CAVO	3x0,14 mm <sup>2</sup>		CABLE
CONNETTORE M12 (C5)	C5-C6-C7-L7		(C5) M12 CONNECTOR

**SENSORI DIAMETRO 18 - 30 mm**
**18 - 30 mm DIAMETER SENSORS**

	M18		M30		
SCHERMATO	•		•		SHIELDED (FLUSH)
NON SCHERMATO		•		•	UNSHIELDED (NON FLUSH)
DISTANZA D'INTERVENTO - S <sub>n</sub>	5	8	10	15	SENSING DISTANCE
DISTANZA REALE	± 10% S <sub>n</sub>				REAL DISTANCE
ISTERESI	≤ 10% S <sub>n</sub>				HYSTERESIS
RIPETIBILITA'	< 2% S <sub>n</sub>				REPEATABILITY
FREQUENZA MASSIMA	700 Hz	400 Hz	200 Hz	200 Hz	MAX. SWITCHING FREQUENCY
TEMPERATURA DI LAVORO	-25°C ÷ +70°C				WORKING TEMPERATURE
MAT. CORPO METALLICO	OTTONE NICHELATO – NICKEL PLATED BRASS				BODY MATERIAL
PROTEZIONE	IP67 (con connettore montato/with connector mounted)				PROTECTION RATING
CAVO	3x0,35 mm <sup>2</sup>				CABLE
CONNETTORE M12 (C5)	C5-C6-C7-L7				(C5) M12 CONNECTOR

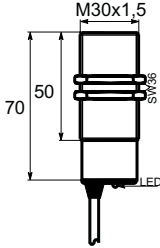
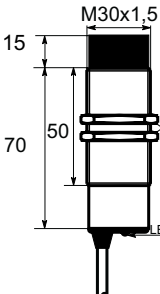
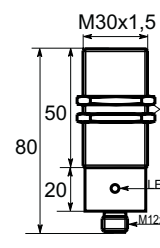
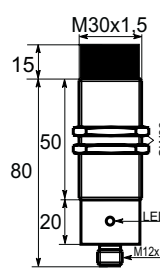
**COLLEGAMENTI**
**CONNECTIONS**

**DIMENSIONI MECCANICHE**
**MECHANICAL SIZE**
**DIAMETRO 12 mm**
**12 mm DIAMETER**

B10G122_	B10EG124_	B10122_C5	B10E124_C5

**DIAMETRO 18 mm**
**18 mm DIAMETER**

B10G185_	B10EG188_	B10185_C5	B10E188_C5

**DIAMETRO 30 mm**
**30 mm DIAMETER**

B10G3010_	B10EG3015_	B103010_C5	B10E3015_C5
 <p>Technical drawing of the B10G3010_ sensor. It shows a cylindrical body with a diameter of M30x1,5. The total height is 70 mm, with a 50 mm section above the LED indicator. A SW36 switch is located on the side.</p>	 <p>Technical drawing of the B10EG3015_ sensor. It features a black top section with a height of 15 mm. The total height is 70 mm, with a 50 mm section below the black part. The diameter is M30x1,5. It includes a SW36 switch and an LED indicator.</p>	 <p>Technical drawing of the B103010_C5 sensor. The total height is 80 mm, with a 50 mm section above the LED indicator. The diameter is M30x1,5. It includes a SW36 switch and an M12x1 connector at the bottom.</p>	 <p>Technical drawing of the B10E3015_C5 sensor. It has a black top section with a height of 15 mm. The total height is 80 mm, with a 50 mm section below the black part. The diameter is M30x1,5. It includes a SW36 switch, an LED indicator, and an M12x1 connector at the bottom.</p>

**SERIE B10 ALIMENTAZIONE 10 ÷ 60 Vdc / B10 10 ÷ 60 Vdc POWER SUPPLY**
**DIAMETRO 12 mm**
**12 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT		USCITA CONNETTORE / CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B10G122PO	B10EG124PO	B10122POC5	B10E124POC5
<b>PNP-NC</b>	B10G122PC	B10EG124PC	B10122PCC5	B10E124PCC5
<b>NPN-NO</b>	B10G122NO	B10EG124NO	B10122NOC5	B10E124NOC5
<b>NPN-NC</b>	B10G122NC	B10EG124NC	B10122NCC5	B10E124NCC5

**DIAMETRO 18 mm**
**18 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT		USCITA CONNETTORE / CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B10G185PO	B10EG188PO	B10185POC5	B10E188POC5
<b>PNP-NC</b>	B10G185PC	B10EG188PC	B10185PCC5	B10E188PCC5
<b>NPN-NO</b>	B10G185NO	B10EG188NO	B10185NOC5	B10E188NOC5
<b>NPN-NC</b>	B10G185NC	B10EG188NC	B10185NCC5	B10E188NCC5

**DIAMETRO 30 mm**
**30 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT		USCITA CONNETTORE / CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B10G3010PO	B10EG3015PO	B103010POC5	B10E3015POC5
<b>PNP-NC</b>	B10G3010PC	B10EG3015PC	B103010PCC5	B10E3015PCC5
<b>NPN-NO</b>	B10G3010NO	B10EG3015NO	B103010NOC5	B10E3015NOC5
<b>NPN-NC</b>	B10G3010NC	B10EG3015NC	B103010NCC5	B10E3015NCC5

**Altri prodotti**

- interruttori di prossimità induttivi;
- interruttori di prossimità capacitivi;
- interruttori di prossimità magnetici;
- interruttori di prossimità fotoelettrici;
  
- connettori e cassette di connessione per sensori;
  
- encoder incrementali ed assoluti;
  
- alimentatori / interfacce per sensori;
- alimentatori da rete e da secondario per uso generico;
  
- voltmetri, amperometri, contagiri, visualizzatori a pannello;
- contaimpulsi mono e bidirezionali, contaproduzione, contagiri;
- termometri e termoregolatori
  
- schede logiche programmabili per uso OEM;
  
- pulsanteria e finecorsa meccanici;

***Other products:***

- *inductive proximity switches;*
- *capacitive proximity switches;*
- *magnetic proximity switches;*
- *photo-electric sensors & proximity switches;*
  
- *connectors & connection boxes for sensor;*
  
- *incremental & absolute encoders;*
  
- *supply units / interfaces for sensors;*
- *power supply units for general purpose;*
  
- *voltmeters, ammeters, revolution counters, panel displays;*
- *counters mono & bi-directional, timers, revolution counters;*
- *thermometers & temperature controllers;*
  
- *OEM programmable logic cards;*
  
- *push-button & mechanical limit switches;*