

**INTERRUTTORI DI PROSSIMITA'  
INDUTTIVI CENELEC STANDARD  
E SERIE CORTA  
PORTATA MAGGIORATA**

**SERIE  
SERIES**

**B03-B04**

***INDUCTIVE PROXIMITY SWITCHES  
STANDARD CENELEC  
AND SHORTY SERIES  
LONG RANGE***

## INTERRUTTORI DI PROSSIMITA' INDUTTIVI A PORTATA MAGGIORATA LONG RANGE INDUCTIVE PROXIMITY SWITCHES



- ⇒ INTERRUTTORI DI PROSSIMITA' CILINDRICI  
INDUTTIVI DIAMETRO 6,5 - 8 - 12 - 18 - 30 mm
- ⇒ SERIE STANDARD CENELEC e SERIE CORTA
- ⇒ USCITA CAVO O CONNETTORE M8 - M12 - C3 - C4
- ⇒ ALIMENTAZIONE IN C.C. 10 ÷ 30 Vcc

- ⇒ *INDUCTIVE CYLINDRICAL PROXIMITY SWITCHES*  
6,5 - 8 - 12 - 18 - 30 mm *DIAMETER*
- ⇒ *STANDARD CENELEC and SHORTY SERIES*
- ⇒ *CABLE OUTPUT OR M8 - M12 - C3 - C4*  
*CONNECTOR OUTPUT*
- ⇒ *C.C. 10 ÷ 30 Vdc SUPPLY VERSION*

### COME ORDINARE

### HOW TO ORDER

**B03** **E** **-** **30** **15** **P** **O** **C5**

#### SERIE SERIES

- B03** = Serie Cenelec  
Cenelec Series
- B04** = Serie corta  
Shorty series

#### MONTAGGIO MOUNTING

- [-]** = Schermato / *Shielded*
- E** = Non schermato / *Unshielded*

#### CONNESSIONE LINK

- [-]** = connettore  
connector
- G** = uscita cavo  
cable output
- N** = uscita cavo con codolino  
shank - type cable output

#### DIAMETRO SENSORE SENSOR DIAMETER

- 6,5** = Ø 6,5 mm liscio/smooth
- 8** = M8 filettato/ threaded
- 12** = M12 filettato/ threaded
- 18** = M18 filettato/ threaded
- 30** = M30 filettato/ threaded

#### CONNESSIONE LINK

- [-]** = uscita cavo (2 m)  
cable output (2 m)
- C3** = Connettore C3  
C3 connector
- C4** = Connettore C4  
C4 connector
- C5** = Connettore M12  
M12 connector
- V6** = Connettore M8  
M8 connector

#### USCITA OUTPUT

- O** = normalmente aperto  
normally open
- C** = normalmente chiuso  
normally closed
- \*SC** = 2 uscite NA + NC (4 fili)  
2 outputs NO + NC (4 wires)

\* SOLO / ONLY M12 - M18 - M30

#### ELETTRONICA ELECTRONICS

- P** = PNP
- N** = NPN

#### DISTANZA DI RILEVAMENTO SENSING DISTANCE

- Ø6,5 = \*2/ 3 mm - \*\*4/ 6 mm
- M8 = \*2/ 3 mm - \*\*4/ 6 mm
- M12 = \*4/ 6 mm - \*\*8 mm
- M18 = \*8/ 10 mm - \*\*16 mm
- M30 = \*20 mm - \*\*35 mm

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

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.

Nelle versioni parzialmente schermate serie Ø6,5 e M8 nel riferimento la distanza di rilevamento 6 è da intendersi a 5 mm  
*Unshielded versions Ø6,5 and M8 series in the reference sensing distance 6mm corresponds to 5mm.*

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La Ditta costruttrice si riserva di apportare qualunque modifica ritenga utile senza preavviso.  
*Manufacturer reserve itself all the rights to change without notice.*

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

ALIMENTAZIONE	<b>10 ÷ 30 Vcc/Vdc</b>	SUPPLY VOLTAGE
ONDULAZIONE RESIDUA	<b>≤ 10%</b>	RIPPLE
ASSORBIMENTO	<b>≤ 10 mA</b>	POWER CONSUMPTION
CARICO MASSIMO	<b>200 mA</b>	MAXIMUM LOAD
CADUTA DI TENSIONE	<b>&lt; 3 V @ 200 mA</b>	VOLTAGE DROP
PROTEZIONE AL CORTO CIRCUITO	<b>SI / YES</b>	SHORT CIRCUIT PROTECTION
PROTEZIONE INVERS. POLARITÀ	<b>SI / YES</b>	REVERSE POLARITY PROTECTION
LED DI SEGNALAZIONE	<b>SÍ / YES</b>	OUTPUT STATUS LED
COMPATIBILITÀ ELETTROMAGNETICA CE	<b>EN60947-5-2</b>	CE COMPLIANCE
CERTIFICAZIONE	<b>CE</b>	CERTIFICATION

**CARATTERISTICHE TECNICHE**
**TECHNICAL FEATURES**
**SENSORI DIAMETRO 6,5 mm**
**6,5 mm DIAMETER SENSORS**

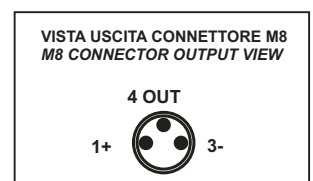
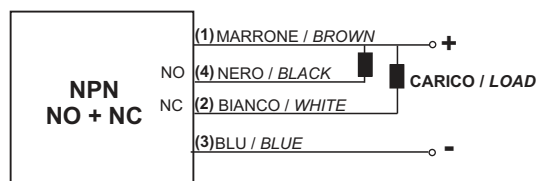
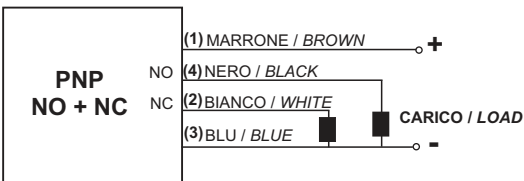
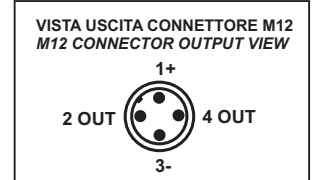
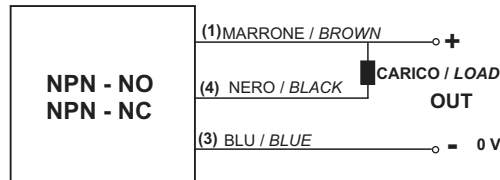
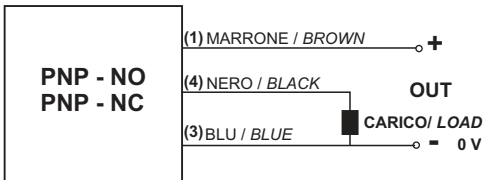
	Ø6,5 mm				
SCHERMATO	•				SHIELDED (FLUSH)
NON SCHERMATO	•				UNSHIELDED (NO FLUSH)
DISTANZA D'INTERVENTO - S <sub>n</sub>	2	3	4	5	S <sub>n</sub> – SENSING DISTANCE
DISTANZA REALE	± 15% S <sub>n</sub>				REAL DISTANCE
ISTERESI	≤ 15% S <sub>n</sub>				HYSTERESIS
RIPRODUCIBILITÀ	< 2% S <sub>n</sub>				REPEATABILITY
FREQUENZA MASSIMA	1000 Hz		1000 Hz		MAX. SWITCHING FREQUENCY
TEMPERATURA DI LAVORO	-25°C ÷ +70°C				WORKING TEMPERATURE
MATERIALE CORPO	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 M8 (V6)	V6-V7				(V6) M8 CONNECTOR
CONNETTORE M12 (C5)	C5-C6-C7-L7				(C5) M12 CONNECTOR

**SENSORI DIAMETRO 8 - 12 mm**
**8 - 12 mm DIAMETER SENSORS**

	M8				M12			
SCHERMATO	•				•			SHIELDED (FLUSH)
NON SCHERMATO	•				•			UNSHIELDED (NO FLUSH)
DISTANZA DI INTERVENTO - S <sub>n</sub>	2	3	4	5	4	6	8	S <sub>n</sub> – SENSING DISTANCE
DISTANZA REALE	± 15% S <sub>n</sub>							REAL DISTANCE
ISTERESI	≤ 15% S <sub>n</sub>							HYSTERESIS
RIPRODUCIBILITÀ	< 2% S <sub>n</sub>							REPEATABILITY
FREQUENZA MASSIMA	1000 Hz	1000 Hz	1000 Hz	1000 Hz	1000 Hz	1000 Hz	1000 Hz	MAX. SWITCHING FREQUENCY
TEMPERATURA DI LAVORO	-25°C ÷ +70°C							WORKING TEMPERATURE
MATERIALE CORPO	OTTONE NICHELATO – NICKEL PLATED BRASS							BODY MATERIAL
PROTEZIONE	IP67 (con connettore montato/with connector mounted)							PROTECTION RATING
CAVO	3x0,14 mm <sup>2</sup>			3x0,14 mm <sup>2</sup>				CABLE
CONNETTORE M8 (V6)	V6-V7			/				(V6) M8 CONNECTOR
CONNETTORE M12 (C5)	C5-C6-C7-L7							(C5) M12 CONNECTOR
CONNETTORE ALTRO TIPO	C3							OTHER CONNECTOR

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

	M18			M30		
SCHERMATO	•			•		<i>SHIELDED (FLUSH)</i>
NON SCHERMATO				•		<i>UNSHIELDED (NO FLUSH)</i>
DISTANZA D'INTERVENTO - S <sub>n</sub>	8	10	16	20	35	<i>S<sub>n</sub> - SENSING DISTANCE</i>
DISTANZA REALE	± 15% S <sub>n</sub>					<i>REAL DISTANCE</i>
ISTERESI	≤ 15% S <sub>n</sub>					<i>HYSTERESIS</i>
RIPRODUCIBILITÀ	< 2% S <sub>n</sub>					<i>REPEATABILITY</i>
FREQUENZA MASSIMA	700 Hz	400 Hz	200 Hz	100 Hz		<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	-25°C ÷ +70°C					<i>WORKING TEMPERATURE</i>
MATERIALE CORPO	OTTONE NICHELATO - <i>NICKEL PLATED BRASS</i>					<i>BODY MATERIAL</i>
PROTEZIONE	IP67 (con connettore montato/with connector mounted)					<i>PROTECTION RATING</i>
CAVO	3x0,35 mm <sup>2</sup>					<i>CABLE</i>
CONNETTORE M12 (C5)	C5-C6-C7-L7					<i>(C5) M12 CONNECTOR</i>
CONNETTORE ALTRO TIPO	C3			C4		<i>OTHER CONNECTOR</i>

**COLLEGAMENTI**
**CONNECTIONS**

**DIMENSIONI MECCANICHE**
**MECHANICAL SIZE**
**DIAMETRO 6,5 mm**
**6,5 mm DIAMETER**
**SERIE CENELEC B03 CENELEC SERIES**

B03G6,52_ B03G6,53_	B03EG6,54_ B03EG6,56_	B036,52_V6 B036,53_V6	B03E6,54_V6 B03E6,56_V6	B036,52_C5 B036,53_C5	B03EG6,54_C5 B03EG6,56_C5

**SERIE CORTA B04 SHORTY SERIES**

B04G6_52_ B04G6_53_	B04EG6_54_ B04EG6_56_	B046_52_V6 B046_53_V6	B04E6_54_V6 B04E6_56_V6	B046_52_C5 B046_53_C5	B04E6_54_C5 B04E6_56_C5

**DIAMETRO 8 mm**
**8 mm DIAMETER**
**SERIE CENELEC B03 CENELEC SERIES**

B03G82_ B03G83_	B03EG84_ B03EG86_	B0382_V6 B0383_V6	B03E84_V6 B03E86_V6	B0382_C5 B0383_C5	B03E84_C5 B03E86_C5	B0382_C3 B0383_C3	B03E84_C3 B03E86_C3

**SERIE CORTA B04 SHORTY SERIES**

B04G82_ B04G83_	B04EG84_ B04EG86_	B0482_V6 B0483_V6	B04E84_V6 B04E86_V6	B0482_C5 B0483_C5	B04E84_C5 B04E86_C5

**DIAMETRO 12 mm**
**12 mm DIAMETER**
**SERIE CENELEC B03 CENELEC SERIES**

B03G124_ B03G126_	B03EG128_	B03N124_ B03N126_	B03EN128_	B03124_C5 B03126_C5	B03E128_C5	B03124_C3 B03126_C3	B03E128_C3

**SERIE CORTA B04 SHORTY SERIES**

B04G124_	B04G126_	B04EG128_	B04124_C5	B04126_C5	B04E128_C5

**DIAMETRO 18 mm**
**18 mm DIAMETER**
**SERIE CENELEC B03 CENELEC SERIES**

B03G188_ B03G1810_	B03EG1816_	B03N188_ B03N1810_	B03EN1816_	B03188_C5 B031810_C5	B01E1816_C5	B03188_C3 B031810_C3	B03E1816_C3

**SERIE CORTA B04 SHORTY SERIES**

B04G188_	B04G1810_	B04EG1816_	B04188_C5	B041810_C5	B04E1816_C5

**DIAMETRO 30 mm**
**30 mm DIAMETER**
**SERIE CENELEC B03 CENELEC SERIES**

B03G3020_	B03EG3035_	B03N3020_	B03EN3035_	B033020_C5	B03E3035_C5	B033020_C4	B03E3035_C4

**SERIE CORTA B04 SHORTY SERIES**

B04G3020_	B04EG3035_	B043020_C5	B04E3035_C5

**SERIE B03 STANDARD CENELEC / B03 STANDARD CENELEC SERIES**
**DIAMETRO 6,5 mm - SCHERMATO**
**6,5 mm DIAMETER - SHIELDED**

	USCITA CAVO / CABLE		CONNETTORE M8 CONNECTOR	
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm
<b>PNP-NO</b>	B03G6,52PO	B03G6,53PO	B036,52POV6	B036,53POV6
<b>PNP-NC</b>	B03G6,52PC	B03G6,53PC	B036,52PCV6	B036,53PCV6
<b>NPN-NO</b>	B03G6,52NO	B03G6,53NO	B036,52NOV6	B036,53NOV6
<b>NPN-NC</b>	B03G6,52NC	B03G6,53NC	B036,52NCV6	B036,53NCV6

	CONNETTORE M12 CONNECTOR			
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm		
<b>PNP-NO</b>	B036,52POC5	B036,53POC5		
<b>PNP-NC</b>	B036,52PCC5	B036,53PCC5		
<b>NPN-NO</b>	B036,52NOC5	B036,53NOC5		
<b>NPN-NC</b>	B036,52NCC5	B036,53NCC5		

**DIAMETRO 6,5 mm - NON SCHERMATO**
**6,5 mm DIAMETER - UNSHIELDED**

	USCITA CAVO / CABLE		CONNETTORE M8 CONNECTOR	
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm
<b>PNP-NO</b>	B03EG6,54PO	B03EG6,56PO	B03E6,54POV6	B03E6,56POV6
<b>PNP-NC</b>	B03EG6,54PC	B03EG6,56PC	B03E6,54PCV6	B03E6,56PCV6
<b>NPN-NO</b>	B03EG6,54NO	B03EG6,56NO	B03E6,54NOV6	B03E6,56NOV6
<b>NPN-NC</b>	B03EG6,54NC	B03EG6,56NC	B03E6,54NCV6	B03E6,56NCV6

	CONNETTORE M12 CONNECTOR			
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm		
<b>PNP-NO</b>	B03E6,54POC5	B03E6,56POC5		
<b>PNP-NC</b>	B03E6,54PCC5	B03E6,56PCC5		
<b>NPN-NO</b>	B03E6,54NOC5	B03E6,56NOC5		
<b>NPN-NC</b>	B03E6,54NCC5	B03E6,56NCC5		



**DIAMETRO 8 mm - SCHERMATO**
**8 mm DIAMETER - SHIELDED**

	USCITA CAVO / CABLE OUTPUT		CONNETTORE M8 CONNECTOR	
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm
<b>PNP-NO</b>	B03G82PO	B03G83PO	B0382POV6	B0383POV6
<b>PNP-NC</b>	B03G82PC	B03G83PC	B0382PCV6	B0383PCV6
<b>NPN-NO</b>	B03G82NO	B03G83NO	B0382NOV6	B0383NOV6
<b>NPN-NC</b>	B03G82NC	B03G83NC	B0382NCV6	B0383NCV6

	CONNETTORE M12 CONNECTOR		CONNETTORE C3 CONNECTOR	
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm
<b>PNP-NO</b>	B0382POC5	B0383POC5	B0382POC3	B0383POC3
<b>PNP-NC</b>	B0382PCC5	B0383PCC5	B0382PCC3	B0383PCC3
<b>NPN-NO</b>	B0382NOC5	B0383NOC5	B0382NOC3	B0383NOC3
<b>NPN-NC</b>	B0382NCC5	B0383NCC5	B0382NCC3	B0383NCC3

**DIAMETRO 8 mm - NON SCHERMATO**
**8 mm DIAMETER - UNSHIELDED**

	USCITA CAVO / CABLE		CONNETTORE M8 CONNECTOR	
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm
<b>PNP-NO</b>	B03EG84PO	B03EG86PO	B03E84POV6	B03E86POV6
<b>PNP-NC</b>	B03EG84PC	B03EG86PC	B03E84PCV6	B03E86PCV6
<b>NPN-NO</b>	B03EG84NO	B03EG86NO	B03E84NOV6	B03E86NOV6
<b>NPN-NC</b>	B03EG84NC	B03EG86NC	B03E84NCV6	B03E86NCV6

	CONNETTORE M12 CONNECTOR		CONNETTORE C3 CONNECTOR	
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm
<b>PNP-NO</b>	B03E84POC5	B03E86POC5	B03E84POC3	B03E86POC3
<b>PNP-NC</b>	B03E84PCC5	B03E86PCC5	B03E84PCC3	B03E86PCC3
<b>NPN-NO</b>	B03E84NOC5	B03E86NOC5	B03E84NOC3	B03E86NOC3
<b>NPN-NC</b>	B03E84NCC5	B03E86NCC5	B03E84NCC3	B03E86NCC3

**DIAMETRO 12 mm**
**12 mm DIAMETER**

	USCITA CAVO / <i>CABLE</i>			CAVO CON CODOLINO / <i>CABLE SHANK TYPE</i>		
	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>
<b>PNP-NO</b>	B03G124PO	B03G126PO	B03EG128PO	B03N124PO	B03N126PO	B03EN128PO
<b>PNP-NC</b>	B03G124PC	B03G126PC	B03EG128PC	B03N124PC	B03N126PC	B03EN128PC
<b>PNP-SC</b>	B03G124PSC	-	B03EG128PSC	-	-	-
<b>NPN-NO</b>	B03G124NO	B03G126NO	B03EG128NO	B03N124NO	B03N126NO	B03EN128NO
<b>NPN-NC</b>	B03G124NC	B03G126NC	B03EG128NC	B03N124NC	B03N126NC	B03EN128NC
<b>NPN-SC</b>	B03G124NSC	-	B03EG128NSC	-	-	-

	CONNETTORE M12 <i>CONNECTOR</i>			CONNETTORE C3 <i>CONNECTOR</i>		
	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>
<b>PNP-NO</b>	B03124POC5	B03126POC5	B03E128POC5	B03124POC3	B03126POC3	B03E128POC3
<b>PNP-NC</b>	B03124PCC5	B03126PCC5	B03E128PCC5	B03124PCC3	B03126PCC3	B03E128PCC3
<b>PNP-SC</b>	B03124PSCC5	-	B03E128PSCC5	-	-	-
<b>NPN-NO</b>	B03124NOC5	B03126NOC5	B03E128NOC5	B03124NOC3	B03126NOC3	B03E128NOC3
<b>NPN-NC</b>	B03124NCC5	B03126NCC5	B03E128NCC5	B03124NCC3	B03126NCC3	B03E128NCC3
<b>NPN-SC</b>	B03124NSCC5	-	B03E128NSCC5	-	-	-

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

	USCITA CAVO / <i>CABLE</i>			CAVO CON CODOLINO / <i>CABLE SHANK TYPE</i>		
	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>
<b>PNP-NO</b>	B03G188PO	B03G1810PO	B03EG1816PO	B03N188PO	B03N1810PO	B03EN1816PO
<b>PNP-NC</b>	B03G188PC	B03G1810PC	B03EG1816PC	B03N188PC	B03N1810PC	B03EN1816PC
<b>PNP-SC</b>	B03G188PSC	-	B03EG1816PSC	-	-	-
<b>NPN-NO</b>	B03G188NO	B03G1810NO	B03EG1816NO	B03N188NO	B03N1810NO	B03EN1816NO
<b>NPN-NC</b>	B03G188NC	B03G1810NC	B03EG1816NC	B03N188NC	B03N1810NC	B03EN1816NC
<b>NPN-SC</b>	B03G188NSC	-	B03EG1816NSC	-	-	-

	CONNETTORE M12 <i>CONNECTOR</i>			CONNETTORE C3 <i>CONNECTOR</i>		
	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>	SCHERMATO <i>SHIELDED</i>		NON SCHERMATO <i>UNSHIELDED</i>
<b>PNP-NO</b>	B03188POC5	B031810POC5	B03E1816POC5	B03188POC3	B031810POC3	B03E1816POC3
<b>PNP-NC</b>	B03188PCC5	B031810PCC5	B03E1816PCC5	B03188PCC3	B031810PCC3	B03E1816PCC3
<b>PNP-SC</b>	B03188PSCC5	-	B03E1816PSCC5	-	-	-
<b>NPN-NO</b>	B03188NOC5	B031810NOC5	B03E1816NOC5	B03188NOC3	B031810NOC3	B03E1816NOC3
<b>NPN-NC</b>	B03188NCC5	B031810NCC5	B03E1816NCC5	B03188NCC3	B031810NCC3	B03E1816NCC3
<b>NPN-SC</b>	B03188NSCC5	-	B03E1816NSCC5	-	-	-

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

	USCITA CAVO / CABLE		CAVO CON CODOLINO / CABLE SHANK TYPE	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B03G3020PO	B03EG3035PO	B03N3020PO	B03EN3035PO
<b>PNP-NC</b>	B03G3020PC	B03EG3035PC	B03N3020PC	B03EN3035PC
<b>PNP-SC</b>	B03G3020PSC	B03EG3035PSC	-	-
<b>NPN-NO</b>	B03G3020NO	B03EG3035NO	B03N3020NO	B03EN3035NO
<b>NPN-NC</b>	B03G3020NC	B03EG3035NC	B03N3020NC	B03EN3035NC
<b>NPN-SC</b>	B03G3020NSC	B03EG3035NSC	-	-

	CONNETTORE M12 CONNECTOR		CONNETTORE C4 CONNECTOR	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B033020POC5	B03E3035POC5	B033020POC4	B03E3035POC4
<b>PNP-NC</b>	B033020PCC5	B03E3035PCC5	B033020PCC4	B03E3035PCC4
<b>PNP-SC</b>	B033020PSCC5	B03E3035PSCC5	-	-
<b>NPN-NO</b>	B033020NOC5	B03E3035NOC5	B033020NOC4	B03E3035NOC4
<b>NPN-NC</b>	B033020NCC5	B03E3035NCC5	B033020NCC4	B03E3035NCC4
<b>NPN-SC</b>	B033020NSCC5	B03E3035NSCC5	-	-

**B04 SERIE CORTA / B04 SHORTLY SERIES**
**DIAMETRO 6,5 - SCHERMATO**
**6.5 mm DIAMETER - SHIELDED**

	USCITA CAVO / CABLE OUTPUT		CONNETTORE M8 CONNECTOR	
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm
<b>PNP-NO</b>	B04G6,52PO	B04G6,53PO	B046,52POV6	B046,53POV6
<b>PNP-NC</b>	B04G6,52PC	B04G6,53PC	B046,52PCV6	B046,53PCV6
<b>NPN-NO</b>	B04G6,52NO	B04G6,53NO	B046,52NOV6	B046,53NOV6
<b>NPN-NC</b>	B04G6,52NC	B04G6,53NC	B046,52NCV6	B046,53NCV6

	CONNETTORE M12 CONNECTOR			
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm		
<b>PNP-NO</b>	B046,52POC5	B046,53POC5		
<b>PNP-NC</b>	B046,52PCC5	B046,53PCC5		
<b>NPN-NO</b>	B046,52NOC5	B046,53NOC5		
<b>NPN-NC</b>	B046,52NCC5	B046,53NCC5		

**DIAMETRO 6,5 - NON SCHERMATO**
**6,5 mm DIAMETER - UNSHIELDED**

	USCITA CAVO / CABLE OUTPUT		CONNETTORE M8 CONNECTOR	
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 6mm SENSING DISTANCE 6mm	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm
<b>PNP-NO</b>	B04EG6,54PO	B04EG6,56PO	B04E6,54POV6	B04E6,56POV6
<b>PNP-NC</b>	B04EG6,54PC	B04EG6,56PC	B04E6,54PCV6	B04E6,56PCV6
<b>NPN-NO</b>	B04EG6,54NO	B04EG6,56NO	B04E6,54NOV6	B04E6,56NOV6
<b>NPN-NC</b>	B04EG6,54NC	B04EG6,56NC	B04E6,54NCV6	B04E6,56NCV6

	CONNETTORE M12 CONNECTOR			
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm		
<b>PNP-NO</b>	B04E6,56POC5	B04E6,56POC5		
<b>PNP-NC</b>	B04E6,56PCC5	B04E6,56PCC5		
<b>NPN-NO</b>	B04E6,56NOC5	B04E6,56NOC5		
<b>NPN-NC</b>	B04E6,56NCC5	B04E6,56NCC5		

**DIAMETRO 8 - SCHERMATO**
**8 mm DIAMETER - SHIELDED**

	USCITA CAVO / CABLE OUTPUT		CONNETTORE M8 CONNECTOR	
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm
<b>PNP-NO</b>	B04G82PO	B04G83PO	B0482POV6	B0483POV6
<b>PNP-NC</b>	B04G82PC	B04G83PC	B0482PCV6	B0483PCV6
<b>NPN-NO</b>	B04G82NO	B04G83NO	B0482NOV6	B0483NOV6
<b>NPN-NC</b>	B04G82NC	B04G83NC	B0482NCV6	B0483NCV6

	CONNETTORE M12 CONNECTOR			
	PORTATA 2mm SENSING DISTANCE 2mm	PORTATA 3mm SENSING DISTANCE 3mm		
<b>PNP-NO</b>	B0482POC5	B0483POC5		
<b>PNP-NC</b>	B0482PCC5	B0483PCC5		
<b>NPN-NO</b>	B0482NOC5	B0483NOC5		
<b>NPN-NC</b>	B0482NCC5	B0483NCC5		

**DIAMETRO 8 - NON SCHERMATO**
**8 mm DIAMETER - UNSHIELDED**

	USCITA CAVO / CABLE OUTPUT		CONNETTORE M8 CONNECTOR	
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 6mm SENSING DISTANCE 6mm	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm
<b>PNP-NO</b>	B04EG84PO	B04EG86PO	B04E84POV6	B04E86POV6
<b>PNP-NC</b>	B04EG84PC	B04EG86PC	B04E84PCV6	B04E86PCV6
<b>NPN-NO</b>	B04EG84NO	B04EG86NO	B04E84NOV6	B04E86NOV6
<b>NPN-NC</b>	B04EG84NC	B04EG86NC	B04E84NCV6	B04E86NCV6

	CONNETTORE M12 CONNECTOR			
	PORTATA 4mm SENSING DISTANCE 4mm	PORTATA 5mm SENSING DISTANCE 5mm		
<b>PNP-NO</b>	B04E84POC5	B04E86POC5		
<b>PNP-NC</b>	B04E84PCC5	B04E86PCC5		
<b>NPN-NO</b>	B04E84NOC5	B04E86NOC5		
<b>NPN-NC</b>	B04E84NCC5	B04E86NCC5		

**DIAMETRO 12**
**12 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT			CONNETTORER M12 CONNECTOR		
	SCHERMATO SHIELDED		NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED		NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B04G124PO	B04G126PO	B04EG128PO	B04124POC5	B04126POC5	B04E128POC5
<b>PNP-NC</b>	B04G124PC	B04G126PC	B04EG128PC	B04124PCC5	B04126PCC5	B04E128PCC5
<b>NPN-NO</b>	B04G124NO	B04G126NO	B04EG128NO	B04124NOC5	B04126NOC5	B04E128NOC5
<b>NPN-NC</b>	B04G124NC	B04G126NC	B04EG128NC	B04124NCC5	B04126NCC5	B04E128NCC5

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

	USCITA CAVO / CABLE OUTPUT			CONNETTORE M12 CONNECTOR		
	SCHERMATO SHIELDED		NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED		NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B04G188PO	B04G1810PO	B04EG1816PO	B04188POC5	B041810POC5	B04E1816POC5
<b>PNP-NC</b>	B04G188PC	B04G1810PC	B04EG1816PC	B04188PCC5	B041810PCC5	B04E1816PCC5
<b>NPN-NO</b>	B04G188NO	B04G1810NO	B04EG1816NO	B04188NOC5	B041810NOC5	B04E1816NOC5
<b>NPN-NC</b>	B04G188NC	B04G1810NC	B04EG1816NC	B04188NCC5	B041810NCC5	B04E1816NCC5

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

	USCITA CAVO / CABLE OUTPUT		CONNETTORE M12 CONNECTOR	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
<b>PNP-NO</b>	B04G3020PO	B04EG3035PO	B043020POC5	B04E3035POC5
<b>PNP-NC</b>	B04G3020PC	B04EG3035PC	B043020PCC5	B04E3035PCC5
<b>NPN-NO</b>	B04G3020NO	B04EG3035NO	B043020NOC5	B04E3035NOC5
<b>NPN-NC</b>	B04G3020NC	B04EG3035NC	B043020NCC5	B04E3035NCC5

**Altri prodotti**

- interruttori di prossimità induttivi;
- interruttori di prossimità capacitivi;
- interruttori di prossimità magnetici;
- interruttori di prossimità fotoelettrici;
- interruttori di prossimità ad ultrasuoni;
  
- 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;*
- *ultrasonic 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;*