

**INTERRUTTORI DI PROSSIMITA'
INDUTTIVI**

**SERIE
SERIES B87**

" GRAN BALÔN " LINE

INDUCTIVE PROXIMITY SWITCHES

INTERRUTTORI DI PROSSIMITA' INDUTTIVI INDUCTIVE PROXIMITY SWITCHES

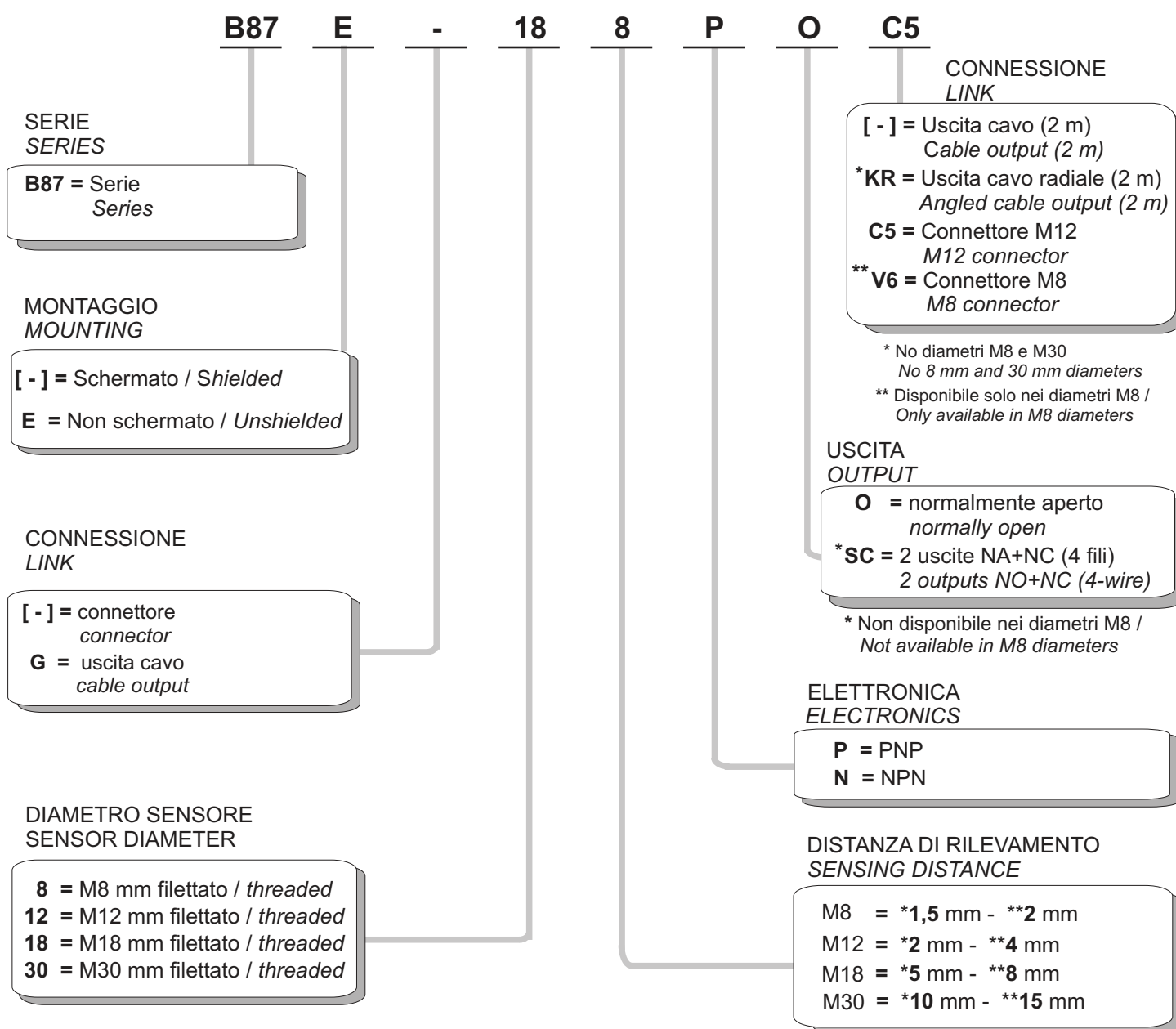


- ⇒ INTERRUTTORI DI PROSSIMITA' CILINDRICI
INDUTTIVI DIAMETRI 8, 12, 18 e 30 mm
- ⇒ USCITA CAVO ASSIALE E RADIALE
CONNETTORI M8 - M12
- ⇒ ALIMENTAZIONE IN C.C. 10 ÷ 30 Vcc

- ⇒ INDUCTIVE CYLINDRICAL PROXIMITY SWITCHES
8, 12, 18 and 30 mm DIAMETER
- ⇒ STRAIGHT AND ANGLED CABLE OUTPUT
M8 - M12 CONNECTOR OUTPUT
- ⇒ D.C. 10 ÷ 30 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	10 ÷ 30 Vcc/Vdc	<i>SUPPLY VOLTAGE</i>
ONDULAZIONE RESIDUA	≤ 10%	<i>RIPPLE</i>
ASSORBIMENTO	≤ 10 mA	<i>POWER CONSUMPTION</i>
CARICO MASSIMO	200 mA	<i>MAXIMUM LOAD</i>
CADUTA DI TENSIONE	< 3 V @ 200 mA	<i>VOLTAGE DROP</i>
PROTEZIONE C.C.	SI / YES	<i>SHORT CIRCUIT PROTECTION</i>
PROTEZIONE INVERS. POLARITA'	SI / YES	<i>REVERSAL POLARITY PROTECTION</i>
LED DI SEGNALE	SI / YES	<i>OUTPUT STATUS LED</i>
COMPATIBILITA' ELETTROMAGNETICA CE	EN60947-5-2	<i>CE COMPLIANCE</i>
CERTIFICAZIONE	CE	<i>CERTIFICATION</i>

CARATTERISTICHE TECNICHE
TECHNICAL FEATURES
SENSORI DIAMETRO 8 mm
8 mm DIAMETER SENSORS

	M8		
SCHERMATO	•		<i>SHIELDED (FLUSH)</i>
NON SCHERMATO		•	<i>UNSHIELDED (NON FLUSH)</i>
DISTANZA D'INTERVENTO - S _n	1,5	2	<i>S_n - SENSING DISTANCE</i>
DISTANZA REALE	+/- 10% S _n		<i>REAL DISTANCE</i>
ISTERESI	≤ 10 % S _n		<i>HYSTERESIS</i>
REPETIBILITÀ	≤ 2% S _n		<i>REPEATABILITY</i>
FREQUENZA MASSIMA	1500 Hz	1000 Hz	<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	-25°C ÷ +70°C		<i>WORKING TEMPERATURE</i>
MATERIALE CORPO	OTTONE NICHELATO – NICKEL PLATED BRASS		<i>BODY MATERIAL</i>
PROTEZIONE	IP67 (con connettore montato/with connector mounted)		<i>PROTECTION RATING</i>
CAVO	3x0,14 mm ² 4x0,14 mm ²		<i>CABLE</i>
CONNETTORE M8 (V6)	V6-V7		<i>(V6) M8 CONNECTOR</i>

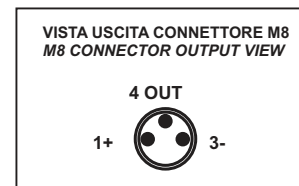
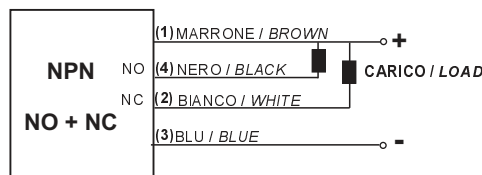
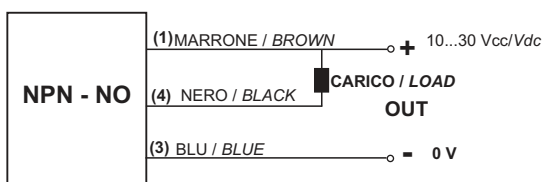
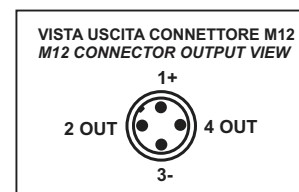
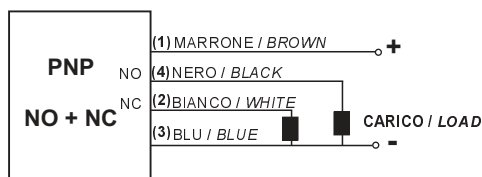
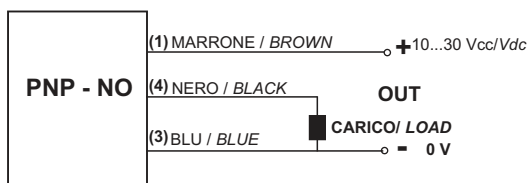
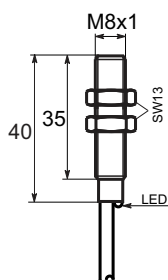
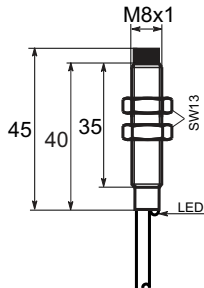
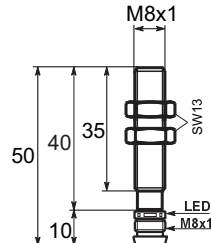
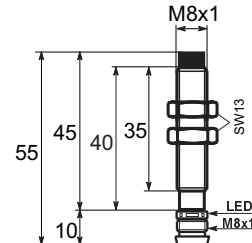
SENSORI DIAMETRO 12 - 18 mm
12 - 18 mm DIAMETER SENSORS

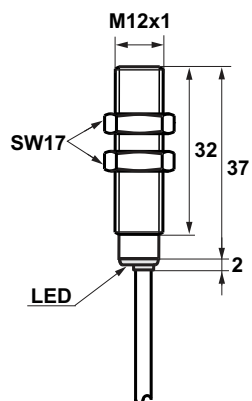
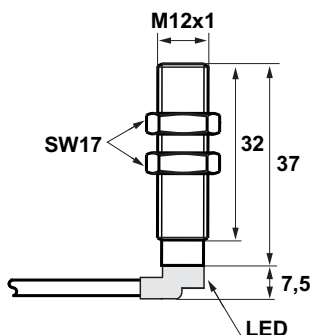
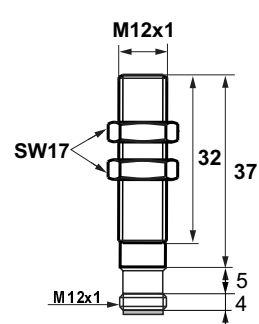
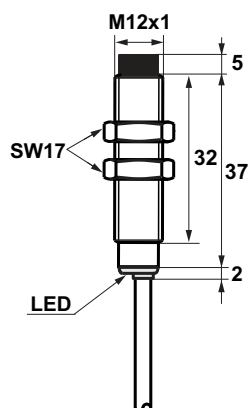
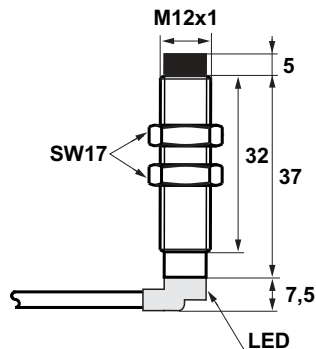
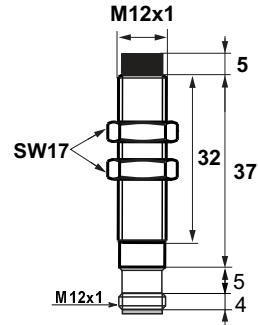
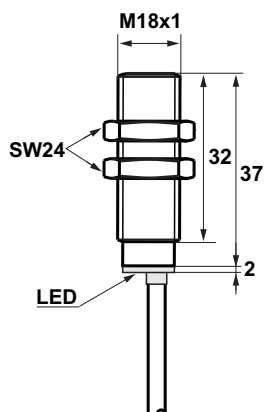
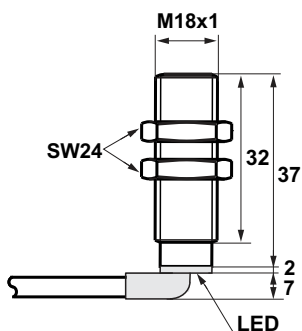
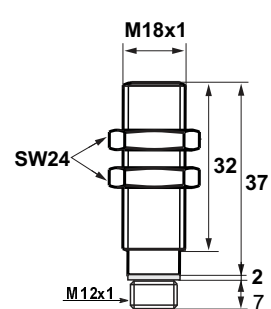
	M12		M18		
SCHERMATO	•		•		<i>SHIELDED (FLUSH)</i>
NON SCHERMATO		•		•	<i>UNSHIELDED (NON FLUSH)</i>
DISTANZA D'INTERVENTO - S _n	2	4	5	8	<i>S_n - SENSING DISTANCE</i>
DISTANZA REALE	+/- 10% S _n				<i>REAL DISTANCE</i>
ISTERESI	≤ 10 % S _n				<i>HYSTERESIS</i>
REPETIBILITÀ	≤ 2% S _n				<i>REPEATABILITY</i>
FREQUENZA MASSIMA	1500 Hz	1000 Hz	700 Hz	700 Hz	<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	-25°C ÷ +70°C				<i>WORKING TEMPERATURE</i>
MATERIALE CORPO	OTTONE NICHELATO – NICKEL PLATED BRASS				<i>BODY MATERIAL</i>
PROTEZIONE	IP67 (con connettore montato/with connector mounted)				<i>PROTECTION RATING</i>
CAVO	3x0,14 mm ² 4x0,14 mm ²		3x0,35 mm ² 4x0,35 mm ²		<i>CABLE</i>
CONNETTORE M12 (C5)	C5-C6-C7-L7-C9-L9		C5-C6-C7-L7-C9-L9		<i>(C5) M12 CONNECTOR</i>

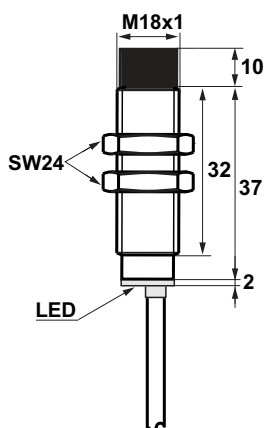
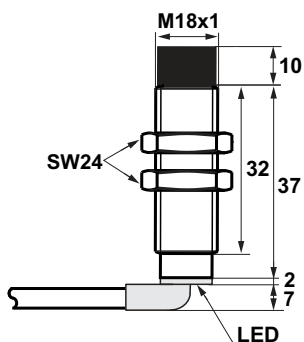
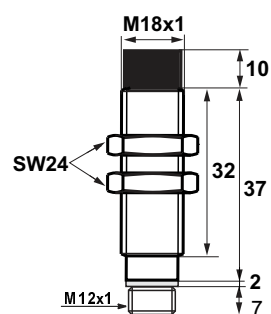
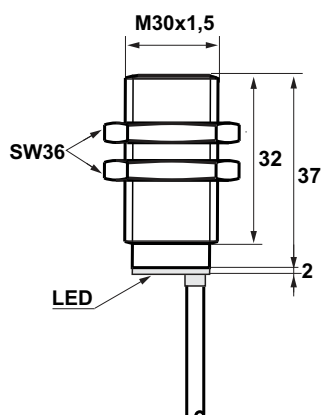
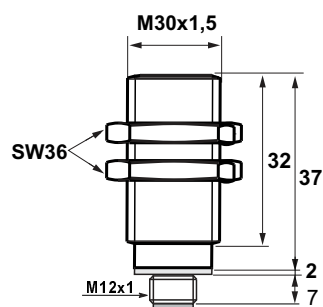
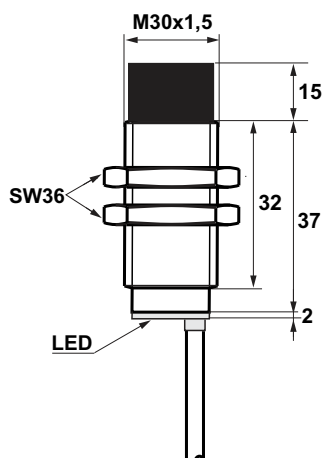
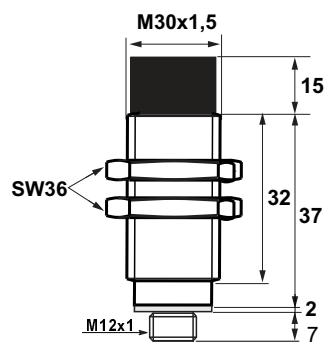
SENSORI DIAMETRO 30 mm
30 mm DIAMETER SENSORS

	M30		
SCHERMATO	•		<i>SHIELDED (FLUSH)</i>
NON SCHERMATO		•	<i>UNSHIELDED (NON FLUSH)</i>
DISTANZA D'INTERVENTO - S_n	10	15	<i>S_n - SENSING DISTANCE</i>
DISTANZA REALE	$\pm 10\% S_n$		<i>REAL DISTANCE</i>
ISTERESI	$\leq 10\% S_n$		<i>HYSTERESIS</i>
REPETIBILITÀ	$\leq 2\% S_n$		<i>REPEATABILITY</i>
FREQUENZA MASSIMA	200 Hz	200 Hz	<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	$-25^{\circ}\text{C} \div +70^{\circ}\text{C}$		<i>WORKING TEMPERATURE</i>
MAT.CORPO METALLICO	OTTONE NICHELATO – <i>NICKEL PLATED BRASS</i>		<i>BODY MATERIAL</i>
PROTEZIONE	IP67 (con connettore montato/ <i>with connector mounted</i>)		<i>PROTECTION RATING</i>
CAVO	3x0,35 mm ² 4x0,35 mm ²		<i>CABLE</i>
CONNETTORE M12 (C5)	C5-C6-C7-L7-C9-L9		<i>(C5) M12 CONNECTOR</i>

- Dadi in plastica caricata vetro / *PVC glass loaded nuts*
- Connettore M12 3 pin in plastica caricata vetro / *PVC glass loaded M12 connector (3 pole)*

COLLEGAMENTI
CONNECTIONS

DIMENSIONI MECCANICHE
MECHANICAL SIZE
DIAMETRO 8 mm
8 mm DIAMETER
B87G81,5_

B87EG82_

B8781,5_V6

B87E82_V6


DIAMETRO 12 mm
12 mm DIAMETER
B87G122_

B87G122_KR

B87122_C5

B87EG124_

B87EG124_KR

B87E124_C5

DIAMETRO 18 mm
18 mm DIAMETER
B87G185_

B87G185_KR

B87185_C5


B87EG188_

B87EG188_KR

B87E188_C5

DIAMETRO 30 mm
30 mm DIAMETER
B87G3010_

B873010_C5

B87EG3015_

B87E3015_C5


ELENCO PRODOTTI
PRODUCTS LIST
DIAMETRO 8 mm
8 mm DIAMETER

	USCITA CAVO / <i>CABLE OUTPUT</i>			USCITA CONNETTORE M8 / <i>CONNECTOR OUTPUT</i>	
	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>		SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>
PNP-NO	B87G81,5PO	B87EG82PO	PNP-NO	B8781,5POV6	B87E82POV6
NPN-NO	B87G81,5NO	B87EG82NO	NPN-NO	B8781,5NOV6	B87E82NOV6

DIAMETRO 12 mm
12 mm DIAMETER

	USCITA CAVO / <i>CABLE OUTPUT</i>		USCITA CAVO RADIALE / <i>RADIAL CABLE OUTPUT</i>	
	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>
PNP-NO	B87G122PO	B87EG124PO	B87G122POKR	B87EG124POKR
NPN-NO	B87G122NO	B87EG124NO	B87G122NOKR	B87EG124NOKR
PNP NO+NC	B87G122PSC	B87EG124PSC	B87G122PSCKR	B87EG124PSCKR
NPN NO+NC	B87G122NSC	B87EG124NSC	B87G122NSCKR	B87EG124NSCKR

	USCITA CONNETTORE M12 <i>CONNECTOR OUTPUT</i>	
	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>
PNP-NO	B87122POC5	B87E124POC5
NPN-NO	B87122NOC5	B87E124NOC5
PNP NO+NC	B87122PSCC5	B87E124PSCC5
NPN NO+NC	B87122NSCC5	B87E124NSCC5

DIAMETRO 18 mm
18 mm DIAMETER

	USCITA CAVO / <i>CABLE OUTPUT</i>		USCITA CAVO RADIALE / <i>RADIAL CABLE OUTPUT</i>	
	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>
PNP-NO	B87G185PO	B87EG188PO	B87G185POKR	B87EG188POKR
NPN-NO	B87G185NO	B87EG188NO	B87G185NOKR	B87EG188NOKR
PNP NO+NC	B87G185PSC	B87EG188PSC	B87G185PSCKR	B87EG188PSCKR
NPN NO+NC	B87G185NSC	B87EG188NSC	B87G185NSCKR	B87EG188NSCKR

	USCITA CONNETTORE M12 <i>CONNECTOR OUTPUT</i>	
	SCHERMATO <i>SHIELDED</i>	NON SCHERMATO <i>UNSHIELDED</i>
PNP-NO	B87185POC5	B87E188POC5
NPN-NO	B87185NOC5	B87E188NOC5
PNP NO+NC	B87185PSCC5	B87E188PSCC5
NPN NO+NC	B87185NSCC5	B87E188NSCC5

DIAMETRO 30 mm
30 mm DIAMETER

	USCITA CAVO / CABLE OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
PNP-NO	B87G3010PO	B87EG3015PO
NPN-NO	B87G3010NO	B87EG3015NO
PNP NO+NC	B87G3010PSC	B87EG3015PSC
NPN NO+NC	B87G3010NSC	B87EG3015NSC

	USCITA CONNETTORE M12 CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
PNP-NO	B873010POC5	B87E3015POC5
NPN-NO	B873010NOC5	B87E3015NOC5
PNP NO+NC	B873010PSCC5	B87E3015POC5
NPN NO+NC	B873010NSCC5	B87E3015NSCC5