

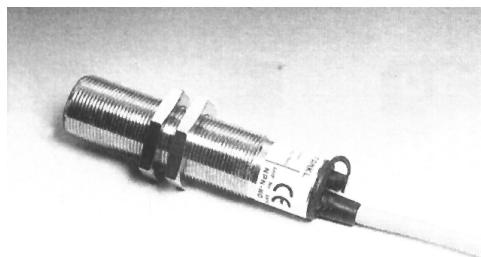
**INTERRUTTORE DI PROSSIMITA'  
CAPACITIVO LISCIO CON  
CUSTODIA PLASTICA  
IN C.C.**

**SERIE  
*SERIES***

**K20**

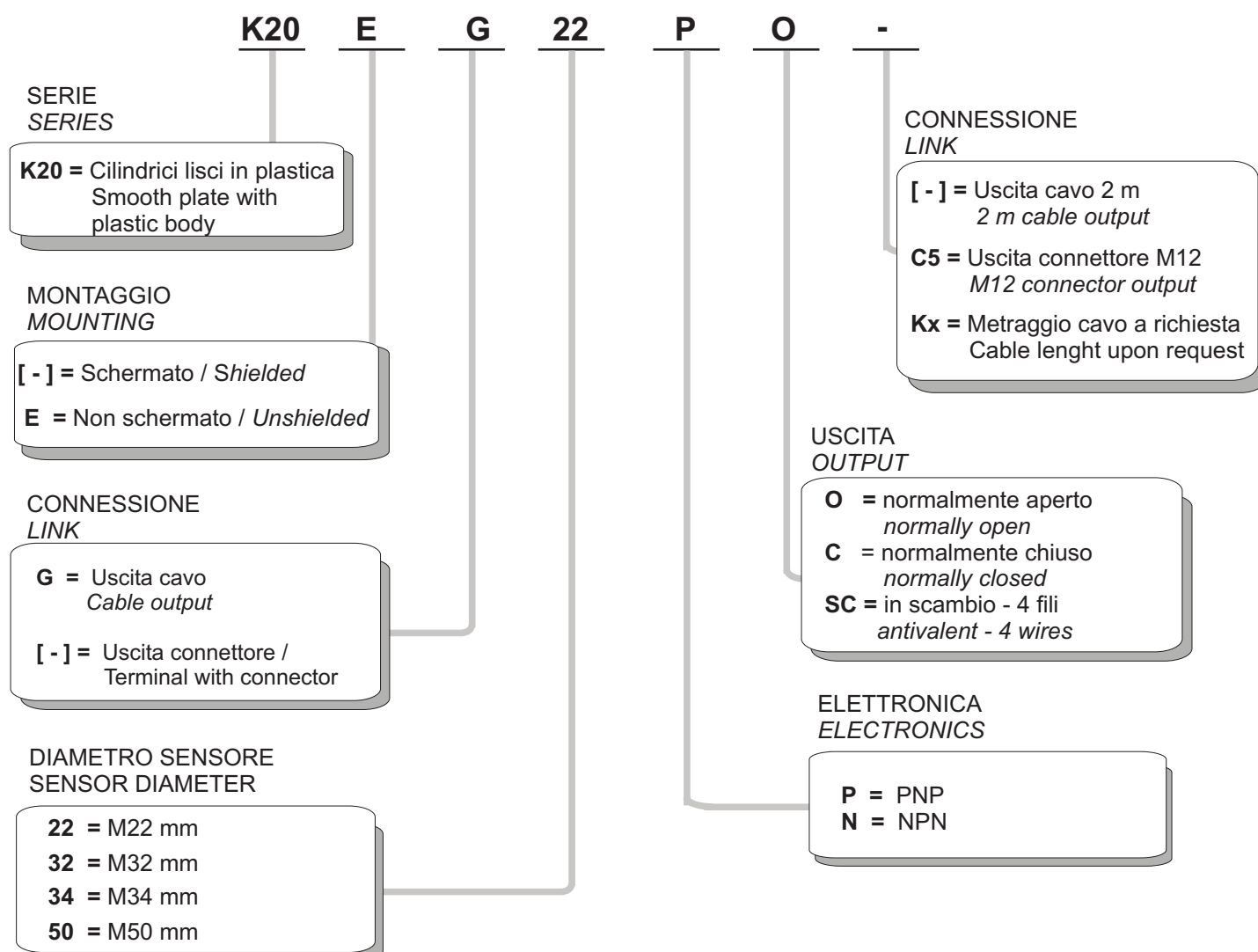
***CAPACITIVE PROXIMITY SWITCHES  
SMOOTH WITH PLASTIC BODY  
D.C. TYPE***

**INTERRUTTORE DI PROSSIMITA' CAPACITIVO LISCIO  
CON CUSTODIA PLASTICA IN C.C.  
CAPACITIVE PROXIMITY SWITCHES SMOOTH  
WITH PLASTIC BODY D.C. TYPE**



**INTERRUTTORI DI PROSSIMITA' CILINDRICI  
CAPACITIVI DIAM. 22 - 32 - 34 - 50 mm.  
USCITA CAVO O CONNETTORE M12  
ALIMENTAZIONE IN C.C. 10 ÷ 30 Vdc**

**CAPACITIVE CYLINDRICAL PROXIMITY SWITCHES  
22 - 32 - 34 - 50 mm DIAMETER.  
CABLE OUTPUT OR M12 CONNECTOR OUTPUT  
D.C. 10 ÷ 30 Vdc SUPPLY VERSIONS**

**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.

File Name:k20.cdr  
Rev: 0.2

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**CARATTERISTICHE ELETTRICHE**
**ELECTRICAL FEATURES**
**VERSIONE IN C.C.**
**D.C TYPE**

ALIMENTAZIONE	<b>10 ÷ 30 V<sub>cc/Vdc</sub></b>	<i>SUPPLY VOLTAGE</i>
ONDULAZIONE RESIDUA	<b>≤ 10%</b>	<i>RIPPLE</i>
ASSORBIMENTO	<b>≤ 15 mA</b>	<i>POWER CONSUMPTION</i>
CARICO MASSIMO	<b>200 mA</b>	<i>MAXIMUM LOAD</i>
CADUTA DI TENSIONE	<b>&lt; 3 V @ 200 mA</b>	<i>VOLTAGE DROP</i>
PROTEZIONE C.C.	<b>SI / YES</b>	<i>SHORT CIRCUIT PROTECTION</i>
PROTEZIONE INVERS. POLARITA'	<b>SI / YES</b>	<i>REVERSE POLARITY PROTECTION</i>
LED DI SEGNALE	<b>SI / YES</b>	<i>OUTPUT STATUS LED</i>
COMPATIBILITA' ELETTROMAGNETICA CE	<b>EN60947-5-2</b>	<i>CE COMPLIANCE</i>
CERTIFICAZIONE	<b>CE</b>	<i>CERTIFICATION</i>

**CARATTERISTICHE TECNICHE**
**TECHNICAL FEATURES**
**SENSORI DIAMETRO 22 mm**
**22 mm DIAMETER SENSORS**

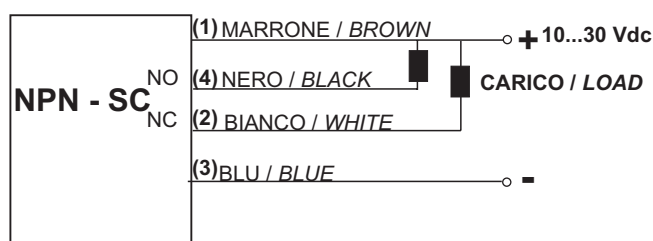
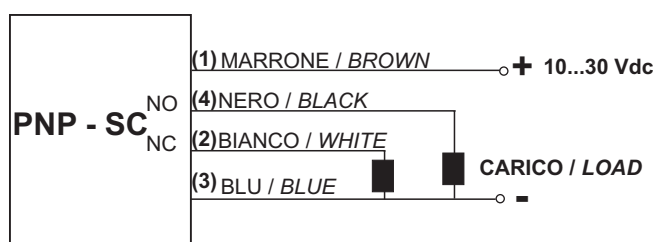
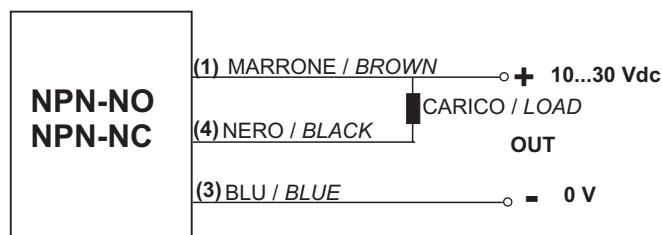
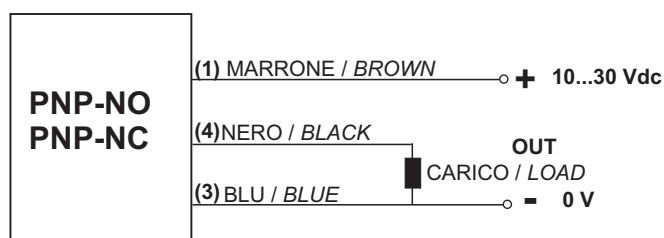
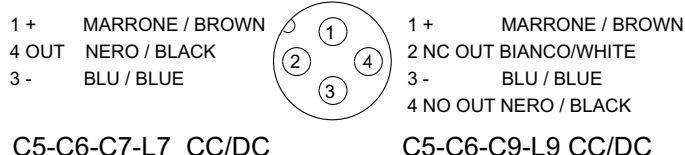
	<b>M22</b>		
SCHERMATO	•		<i>SHIELDED (FLUSH)</i>
NON SCHERMATO		•	<i>UNSHIELDED (NO FLUSH)</i>
DISTANZA D'INTERVENTO - S <sub>n</sub>	2 ÷ 10 mm	2 ÷ 20 mm	<i>SENSING DISTANCE</i>
DISTANZA REALE	± 10% S <sub>n</sub>		<i>REAL DISTANCE</i>
ISTERESI	2 ÷ 15% S <sub>n</sub>		<i>HYSTERESIS</i>
RIPETIBILITÀ	< 10% S <sub>n</sub>		<i>REPEATABILITY</i>
FREQUENZA MASSIMA	100 Hz		<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	-25°C ÷ +70°C		<i>WORKING TEMPERATURE</i>
MATERIALE CORPO	PLASTICO (ABS)		<i>BODY MATERIAL</i>
PROTEZIONE	IP65 (con connettore montato/with connector mounted)		<i>PROTECTION RATING</i>
CAVO	3x0,35 mm <sup>2</sup> 4x0,35 mm <sup>2</sup>		<i>CABLE</i>
CONNETTORE M12 (C5)	C5-C6-C7-L7-C9-L9		<i>(C5) M12 CONNECTOR</i>

**SENSORI DIAMETRO 32 mm**
**32 mm DIAMETER SENSORS**
**SENSORI DIAMETRO 34 mm**
**34 mm DIAMETER SENSORS**

	<b>M32 M34</b>		
NON SCHERMATO	•		<i>UNSHIELDED (NO FLUSH)</i>
DISTANZA D'INTERVENTO - S <sub>n</sub>	3 ÷ 30 mm		<i>SENSING DISTANCE</i>
DISTANZA REALE	± 10% S <sub>n</sub>		<i>REAL DISTANCE</i>
ISTERESI	2 ÷ 15% S <sub>n</sub>		<i>HYSTERESIS</i>
RIPETIBILITÀ	< 10% S <sub>n</sub>		<i>REPEATABILITY</i>
FREQUENZA MASSIMA	60 Hz		<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	-25°C ÷ +70°C		<i>WORKING TEMPERATURE</i>
MATERIALE CORPO	PLASTICO (ABS)		<i>BODY MATERIAL</i>
PROTEZIONE	IP65 (con connettore montato/with connector mounted)		<i>PROTECTION RATING</i>
CAVO	3x0,35 mm <sup>2</sup> 4x0,35 mm <sup>2</sup>		<i>CABLE</i>
CONNETTORE M12 (C5)	C5-C6-C7-L7-C9-L9		<i>(C5) M12 CONNECTOR</i>

**SENSORI DIAMETRO 50 mm**
**50 mm DIAMETER SENSORS**

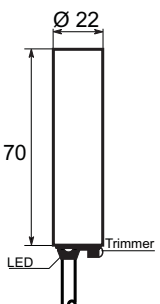
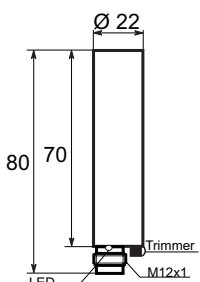
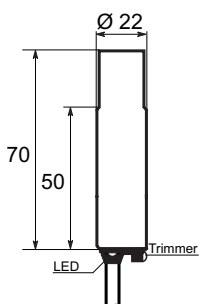
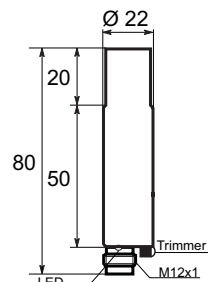
	<b>M50</b>	
NON SCHERMATO	•	<i>UNSHIELDED (NO FLUSH)</i>
DISTANZA D'INTERVENTO - S <sub>n</sub>	4 ÷ 50 mm	<i>SENSING DISTANCE</i>
DISTANZA REALE	± 10% S <sub>n</sub>	<i>REAL DISTANCE</i>
ISTERESI	2 ÷ 15% S <sub>n</sub>	<i>HYSTERESIS</i>
RIPETIBILITÀ	< 10% S <sub>n</sub>	<i>REPEATABILITY</i>
FREQUENZA MASSIMA	40 Hz	<i>MAX. SWITCHING FREQUENCY</i>
TEMPERATURA DI LAVORO	-25°C ÷ +70°C	<i>WORKING TEMPERATURE</i>
MATERIALE CORPO	PLASTICO (ABS)	<i>BODY MATERIAL</i>
PROTEZIONE	IP65 (con connettore montato/with connector mounted)	<i>PROTECTION RATING</i>
CAVO	3x0,35 mm <sup>2</sup> 4x0,35 mm <sup>2</sup>	<i>CABLE</i>

**COLLEGAMENTI**
**CONNECTIONS**
**3/4 FILI C.C. / D.C. 3/4 WIRES**

**CONNETTORE M12 (C5) (C.C.) /  
(C5) M12 CONNECTOR (D.C.)**


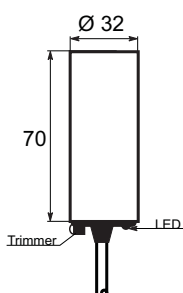
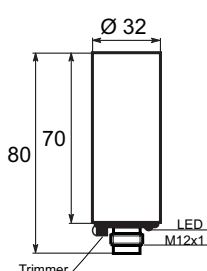
C5-C6-C7-L7 CC/DC

C5-C6-C9-L9 CC/DC

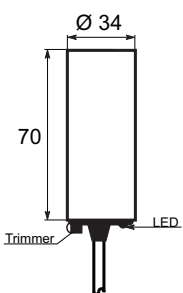
**DIMENSIONI MECCANICHE**
**MECHANICAL SIZE**
**DIAMETRO 22 mm**
**22 mm DIAMETER**

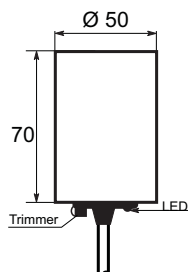
K20G22_	K2022_C5	K20EG22_	K20E22_C5
			

**DIAMETRO 32 mm**
**32 mm DIAMETER**

K20EG32_	K20E32_C5
	

**DIAMETRO 34 mm**
**34 mm DIAMETER**

K20EG34_


**DIAMETRO 50 mm**
**50 mm DIAMETER**
**K20EG50\_**

**ELENCO PRODOTTI**
**PRODUCTS LIST**
**DIAMETRO 22 mm**
**22 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT		USCITA CONNETTORE M12 / M12 CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO / UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO / UNSHIELDED
PNP-NO	K20G22PO	K20EG22PO	K2022POC5	K20E22POC5
PNP-NC	K20G22PC	K20EG22PC	K2022PCC5	K20E22PCC5
PNP-SC	K20G22PSC	K20EG22PSC	K2022PSCC5	K20E22PSCC5
NPN-NO	K20G22NO	K20EG22NO	K2022NOC5	K20E22NOC5
NPN-NC	K20G22NC	K20EG22NC	K2022NCC5	K20E22NCC5
NPN-SC	K20G22NSC	K20EG22NSC	K2022NSCC5	K20E22NSCC5

**DIAMETRO 32 mm**
**32 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT		USCITA CONNETTORE M12 / M12 CONNECTOR OUTPUT	
		NON SCHERMATO / UNSHIELDED		NON SCHERMATO / UNSHIELDED
PNP-NO	-	K20EG32PO	-	K20E32POC5
PNP-NC	-	K20EG32PC	-	K20E32PCC5
PNP-SC	-	K20EG32PSC	-	K20E32PSCC5
NPN-NO	-	K20EG32NO	-	K20E32NOC5
NPN-NC	-	K20EG32NC	-	K20E32NCC5
NPN-SC	-	K20EG32NSC	-	K20E32NSCC5

**DIAMETRO 34 mm**
**34 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT			
		NON SCHERMATO / UNSHIELDED		
<b>PNP-NO</b>	-	K20EG34PO	-	-
<b>PNP-NC</b>	-	K20EG34PC	-	-
<b>PNP-SC</b>	-	K20EG34PSC	-	-
<b>NPN-NO</b>	-	K20EG34NO	-	-
<b>NPN-NC</b>	-	K20EG34NC	-	-
<b>NPN-SC</b>	-	K20EG34NSC	-	-

**DIAMETRO 50 mm**
**50 mm DIAMETER**

	USCITA CAVO / CABLE OUTPUT			
		NON SCHERMATO / UNSHIELDED		
<b>PNP-NO</b>	-	K20EG50PO	-	-
<b>PNP-NC</b>	-	K20EG50PC	-	-
<b>PNP-SC</b>	-	K20EG50PSC	-	-
<b>NPN-NO</b>	-	K20EG50NO	-	-
<b>NPN-NC</b>	-	K20EG50NC	-	-
<b>NPN-SC</b>	-	K20EG50NSC	-	-

**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;*