

**INTERRUTTORI DI PROSSIMITÀ  
INDUTTIVI AMPLIFICATI A DUE FILI  
IN CORRENTE ALTERNATA / CONTINUA  
A PORTATA MAGGIORATA**

**SERIE  
*SERIES***

**D03**

***INDUCTIVE PROXIMITY SWITCHES  
AMPLIFIED TWO WIRES  
AC / DC LONG RANGE***

# INTERRUTTORI DI PROSSIMITÀ INDUTTIVI AMPLIFICATI A DUE FILI IN CORRENTE ALTERNATA / CONTINUA A PORTATA MAGGIORATA **INDUCTIVE PROXIMITY SWITCHES** **AMPLIFIED TWO WIRE AC / DC LONG RANGE**



- ⇒ INTERRUTTORI DI PROSSIMITÀ CILINDRICI  
INDUTTIVI DIAMETRI 12, 18, 30 mm
- ⇒ AMPLIFICATI A DUE FILI IN CORRENTE  
ALTERNATA/ CONTINUA
- ⇒ USCITA CAVO O CONNETTORE M12
- ⇒ ALIMENTAZIONE IN C.A./ C.C. 20 ÷ 230 Vca/ Vcc

- ⇒ **INDUCTIVE CYLINDRICAL PROXIMITY SWITCHES**  
**12, 18, 30 mm DIAMETER**
- ⇒ **AMPLIFIED TWO WIRE AC/ DC**
- ⇒ **CABLE OUTPUT OR M12 CONNECTOR OUTPUT**
- ⇒ **A.C./ D.C. 20 ÷ 230 Vac/ Vdc SUPPLY VERSION**

## COME ORDINARE

## HOW TO ORDER

SERIE  
SERIES

**D03**

**E**

**-**

**30**

**15**

**A**

**O**

**C5**

**D03** = Amplificati a due fili  
in corrente c.a./ c.c.  
*amplified two wires  
a.c./ d.c.*

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

**12** = M12 mm filettato/ *threaded*

**18** = M18 mm filettato/ *threaded*

**30** = M30 mm filettato/ *threaded*

CONNESSIONE  
LINK

**[-]** = uscita cavo (2 m)  
*cable output (2 m)*

**C5** = Connettore M12  
*M12 connector*

USCITA  
OUTPUT

**O** = normalmente aperto  
*normally open*

**C** = normalmente chiuso  
*normally closed*

ELETTRONICA  
ELECTRONICS

**A** = ALIMENTAZIONE 20 ÷ 230 Vca/ Vcc  
*20 ÷ 230 Vac/ Vdc POWER SUPPLY*

DISTANZA DI RILEVAMENTO  
SENSING DISTANCE

M12 = \*4 mm - \*\*6 mm

M18 = \*8 mm - \*\*12 mm

M30 = \*15 mm - \*\*20 mm

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**

DIAMETRO	M12	M18 – M30	DIAMETER
ALIMENTAZIONE	20 ÷ 230 V <sub>ca</sub> / V <sub>cc</sub> V <sub>ac</sub> / V <sub>dc</sub>		SUPPLY VOLTAGE
ASSORBIMENTO	≤ 1 mA		POWER CONSUMPTION
CARICO MASSIMO	200 mA	400 mA	MAXIMUM LOAD
CADUTA DI TENSIONE	≤ 4,5V <sub>ac</sub> *		VOLTAGE DROP
PROTEZIONE C.C.	NO		SHORT CIRCUIT PROTECTION
PROTEZIONE INVERS. POLARITÀ	SI		REVERSAL POLARITY PROTECTION
LED DI SEGNALE	SI / YES		OUTPUT STATUS LED
COMPATIBILITÀ ELETTROMAGNETICA CE	EN60947-5-2		CE COMPLIANCE
CERTIFICAZIONE	CE		CERTIFICATION

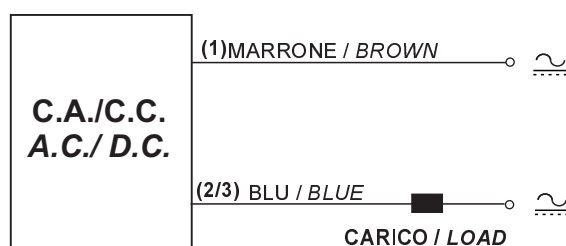
\* Può essere superiore con carichi < 12 mA / It can be higher with loads <12 mA

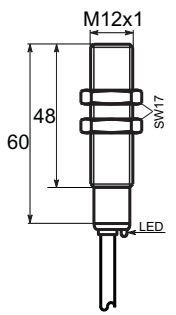
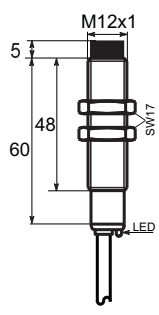
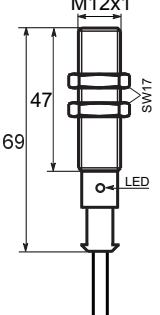
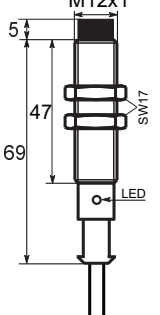
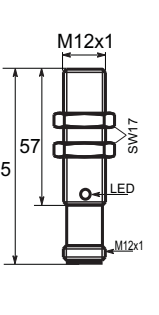
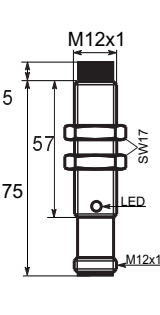
**CARATTERISTICHE TECNICHE**
**TECHNICAL FEATURES**
**SENSORI DIAMETRO 12 mm**
**12 mm DIAMETER SENSORS**

	M12		
SCHERMATO	•		SHIELDED (FLUSH)
NON SCHERMATO	•		UNSHIELDED (NON FLUSH)
DISTANZA D'INTERVENTO - S <sub>n</sub>	4	6	S <sub>n</sub> - SENSING DISTANCE
DISTANZA REALE	± 10% S <sub>n</sub>		REAL DISTANCE
ISTERESI	≤ 10% S <sub>n</sub>		HYSTERESIS
RIPETIBILITÀ	< 2% S <sub>n</sub>		REPEATABILITY
FREQUENZA MASSIMA	20 Hz	20 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	2x0,25 mm <sup>2</sup>		CABLE
CONNETTORE M12 (C5)	C5-C6-C7-L7		(C5) M12 CONNECTOR

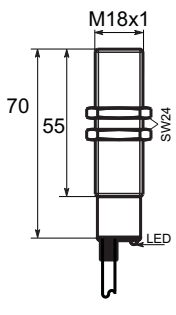
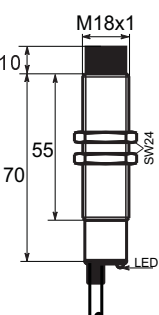
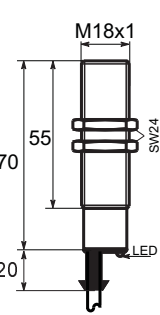
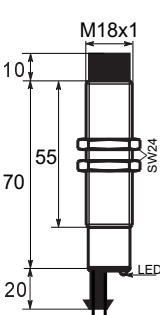
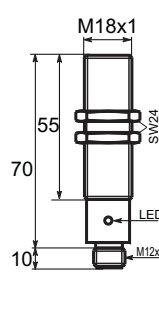
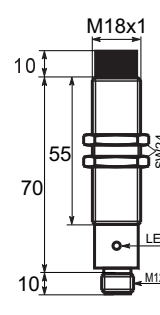
**SENSORI DIAMETRO 18 - 30 mm**
**18 - 30 mm DIAMETER SENSORS**

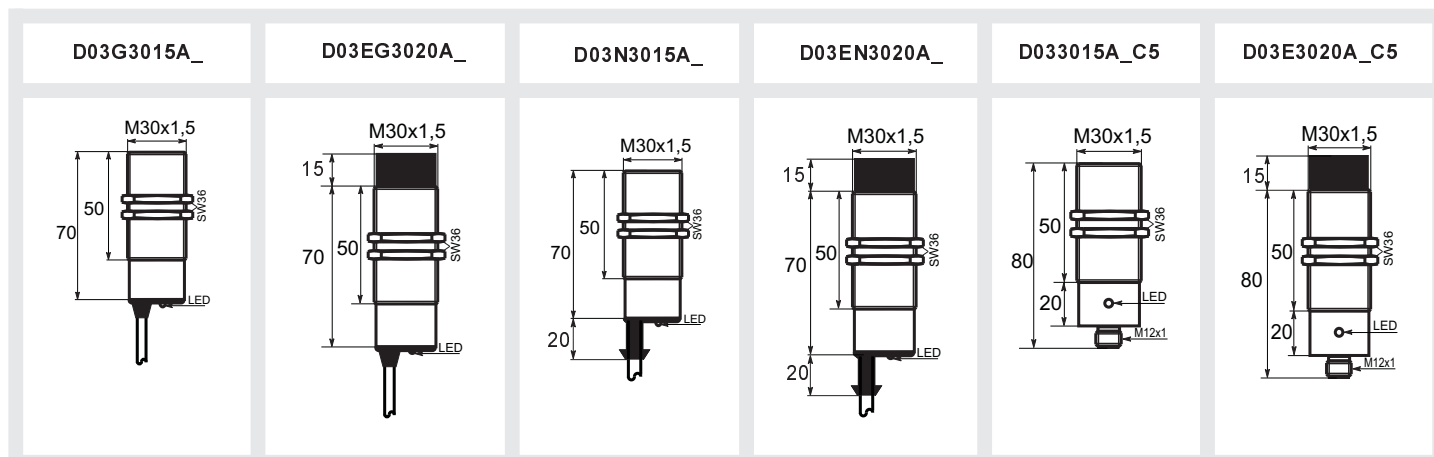
	M18		M30		
SCHERMATO	•		•		SHIELDED (FLUSH)
NON SCHERMATO		•		•	UNSHIELDED (NON FLUSH)
DISTANZA D'INTERVENTO - S <sub>n</sub>	8	12	15	20	S <sub>n</sub> - SENSING DISTANCE
DISTANZA REALE	± 10% S <sub>n</sub>				REAL DISTANCE
ISTERESI	≤ 10% S <sub>n</sub>				HYSTERESIS
RIPETIBILITÀ	< 2% S <sub>n</sub>				REPEATABILITY
FREQUENZA MASSIMA	20 Hz	20 Hz	20 Hz	20 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	2x0,35 mm <sup>2</sup>				CABLE
CONNETTORE	M12 (C5-C6-C7-L7)				CONNECTOR

**COLLEGAMENTI**
**CONNECTIONS**

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

D03G124A_	D03EG126A_	D03N124A_	D03EN126A_	D03124A_C5	D03E126A_C5
					

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

D03G188A_	D03EG1812A_	D03N188A_	D03EN1812A_	D03188A_C5	D03E1812A_C5
					

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

**ELENCO PRODOTTI**
**PRODUCTS LIST**
**DIAMETRO 12 mm**
**12 mm DIAMETER**

	USCITA CAVO CABLE OUTPUT		CAVO CON CODOLINO SHANK TYPE CABLE OUTPUT		USCITA CONNETTORE M12 CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
C.A./C.C. NO	D03G124AO	D03EG126AO	D03N124AO	D03EN126AO	D03124AOC5	D03E126AOC5
C.A./C.C. NC	D03G124AC	D03EG126AC	D03N124AC	D03EN126AC	D03124ACC5	D03E126ACC5

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

	USCITA CAVO CABLE OUTPUT		CAVO CON CODOLINO SHANK TYPE CABLE OUTPUT		USCITA CONNETTORE M12 CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
C.A./C.C. NO	D03G188AO	D03EG1812AO	D03N188AO	D03EN1812AO	D03188AOC5	D03E1812AOC5
C.A./C.C. NC	D03G188AC	D03EG1812AC	D03N188AC	D03EN1812AC	D03188ACC5	D03E1812ACC5

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

	USCITA CAVO CABLE OUTPUT		CAVO CON CODOLINO SHANK TYPE CABLE OUTPUT		USCITA CONNETTORE M12 CONNECTOR OUTPUT	
	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED	SCHERMATO SHIELDED	NON SCHERMATO UNSHIELDED
C.A./C.C. NO	D03G3015AO	D03EG3020AO	D03N3015AO	D03EN3020AO	D033015AOC5	D03E3020AOC5
C.A./C.C. NC	D03G3015AC	D03EG3020AC	D03N3015AC	D03EN3020AC	D033015ACC5	D03E3020ACC5