

CAPACITIVE SENSORS M18 x 1



CYLINDRICAL HOUSING PLASTIC OR METALLIC

4 WIRES D.C. - VERSION-C

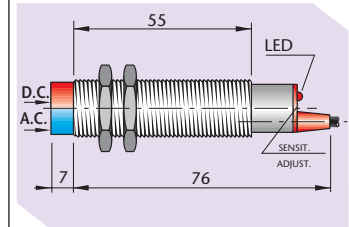
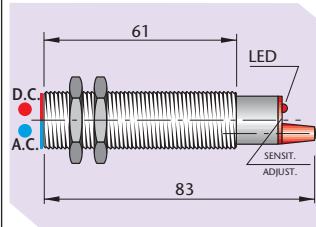
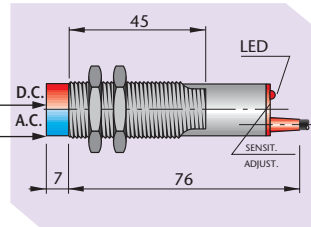
2 WIRES A.C. - VERSION-A

▲ **EMBEDDABLE** (FLUSH MOUNTING)

● **NOT EMBEDDABLE** (NON FLUSH MOUNTING)

D.C. red color

A.C. blue color



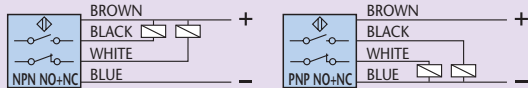
TECHNICAL CHARACTERISTICS

Dimensions mm

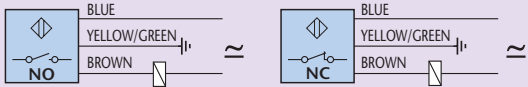
AMPLIFIED 4 WIRES D.C. ANTI-PHASE	NPN	NO+NC	SC18P - CE10 NPN NO + NC	SC18M - C5 NPN NO + NC	SC18M - CE10 NPN NO + NC
	PNP	NO+NC	SC18P - CE10 PNP NO + NC	SC18M - C5 PNP NO + NC	SC18M - CE10 PNP NO + NC
AMPLIFIED 2 WIRES A.C.		NO	SC18P - AE10 NO	SC18M - A5 NO	SC18M - AE10 NO
		NC	SC18P - AE10 NC	SC18M - A5 NC	SC18M - AE10 NC
Switching distance (Sn) adjustable		mm	0 ÷ 10	0 ÷ 5	0 ÷ 10
Continuous voltage (residual ripple ≤10%)		V		10 ÷ 55	
Alternating voltage 50÷60 Hz		V		20 ÷ 250	
Hysteresis (%Sn)		mm		In relation to Sn	
Switching frequency		Hz		10	
Repeatability (at constant temperature)		mm		< 1	
Max output current		mA		200 in D.C. - 300 in A.C.	
Min output current		mA		10 (min. release current)	
Max peak current for 20 ms		A		1.5	
Absorption at 24Vdc		mA		≤ 10	
Residual current		mA		≤ 1	
Voltage drop (sensor ON)		V		< 1.8 in D.C. - < 6 in A.C.	
Short circuit protection				Incorporated in D.C.	
Led				Incorporated	
Temperature limits		°C		- 20 ÷ + 70	
IP rating		IP		65	
Housing			Gray plastic (Makrolon)	Nickelled brass	
Cable PVC		2m	4 x 0.25 mm ² in D.C. - 3 x 0.35 mm ² in A.C.		
Connector plug			-	H (only D.C.)	H (only D.C.)
Protection housing					

WIRING DIAGRAMS

VERSION C

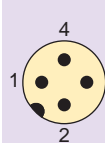


VERSION A



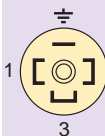
N.B.: Upon request cable for sensors with different lengths 3.5 - 5 - 7.5 - 10 metres is available.

CONNECTION WITH H - K PLUGS FOR THE CONNECTORS SEE PAGE 85



VIEW OF MALE CONNECTOR H 4 WIRES

- 1 = Brown / +
- 3 = Blue / -
- 4 = Black / Output NPN-PNP / NO
- 2 = White / Output NPN-PNP / NC

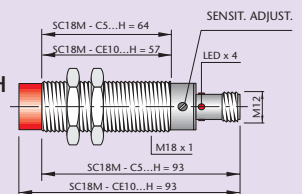


VIEW OF MALE CONNECTOR K 4 WIRES

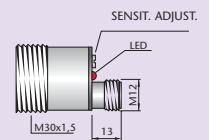
- 1 = Blue / -
- 2 = Brown / +
- 4/ ⚡ = Black / Output NPN-PNP / NO
- 3 = White / Output NPN-PNP / NC

MODELS AVAILABLE WITH H PLUG FOR M12 CONNECTORS

SC18M-C5...H
SC18M-CE10...H



SC30P-CE25...H
SC30M-C20...H
SC30M-CE25...H



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