



MORE THAN SENSORS



**SENSORI INDUTTIVI METALFACE
METALFACE INDUCTIVE SENSORS**

SENSORI INDUTTIVI METALFACE SMF12-SMF18-SMF30

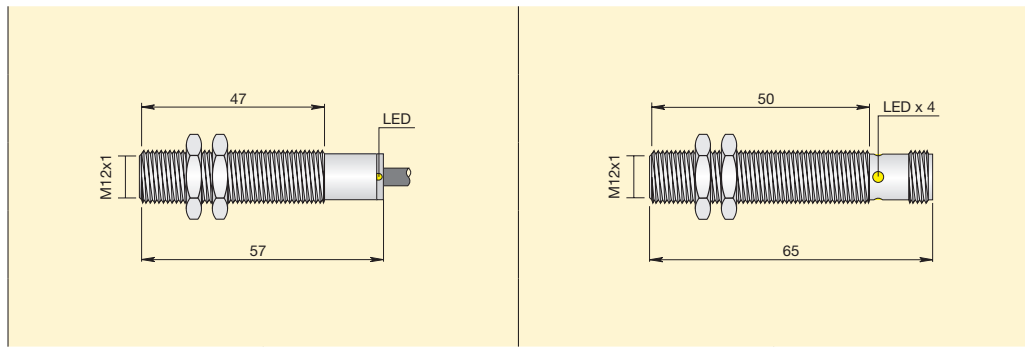
METALFACE INDUCTIVE SENSORS SMF12-SMF18-SMF30



- CUSTODIA CILINDRICA METALLICA IN ACCIAIO AISI316L - ZONA SENSIBILE IN METALLO - AMPLIFICATI 3/4 FILI IN C.C. - ESECUZIONE-C
- ALL METALLIC CYLINDRICAL HOUSING STEEL AISI316L - SENSING FACE METAL - 3/4 WIRES D.C. - VERSION-C

▲ TOTALMENTE SCHERMATI
EMBEDDABLE (FLUSH MOUNTING)

● MODELLI A RICHIESTA
MODELS ON REQUEST

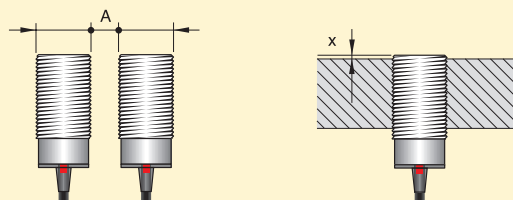


CARATTERISTICHE TECNICHE TECHNICAL CHARACTERISTICS

Dimensioni / Dimensions		mm	▲ ●	▲	▲	▲ ●
AMPLIFICATI 3 FILI C.C. AMPLIFIED 3 WIRES D.C.	NPN	NO	SMF12 - C3 NPN NO SIM000001		SMF12 - C3 NPN NO H SIM000007	
		NC	SMF12 - C3 NPN NC SIM000004		SMF12 - C3 NPN NC H SIM000008	
	PNP	NO	SMF12 - C3 PNP NO SIM000009		SMF12 - C3 PNP NO H SIM000015	
		NC	SMF12 - C3 PNP NC SIM000012		SMF12 - C3 PNP NC H SIM000016	
AMPLIFICATI 4 FILI C.C. AMPLIFIED 4 WIRES D.C.	NPN + PNP	NO		SMF12 - C3 NPN/PNP NO SIM000017		SMF12 - C3 NPN/PNP NO H SIM000023
		NC		SMF12 - C3 NPN/PNP NC SIM000020		SMF12 - C3 NPN/PNP NC H SIM000024
Distanza di intervento S_n Switching distance S_n	mm	3				
Tensione continua (ond. residua $\leq 10\%$) Continuous voltage (residual ripple $\leq 10\%$)	V	10 ÷ 30				
Isteresi Hysteresis	% S_n	< 20%				
Frequenza max di lavoro Switching frequency	Hz	50				
Ripetibilità Repeatability	% S_n	≤ 1				
Corrente max di uscita Max output current	mA	≤ 200				
Assorbimento a 24Vcc Absorption at 24Vdc	mA	≤ 2				
Caduta di tensione (uscita attivata) Voltage drop (sensor ON)	V	< 1.8				
Protezione al cortocircuito Short circuit protection		Presente Incorporated				
Led visualizzatore Led		Presente Incorporated				
Limiti di temperatura Temperature limits	°C	-25 ÷ +70				
Grado di protezione IP rating	IP	IP69K				
Custodia Housing		AISI316L				
Cavo PVC PVC Cable	2m	3 x 0.25 mm ²		4 x 0.25 mm ²		
Attacco per connettore Connector plug						H (M12)
Schemi di collegamento Wiring diagrams						Vedi pag. 7 See page 7
Collegamento con connettore Connection with connector						Vedi pag. 8 - fig. 5 See page 8 - pict. 5
Norme per installazione Instructions for installation						Vedi pag. 9 See page 9

NORME DI INSTALLAZIONE / INSTRUCTIONS FOR INSTALLATION

CILINDRICI TOTALMENTE SCHERMATI / EMBEDDABLE CYLINDRICAL MODELS

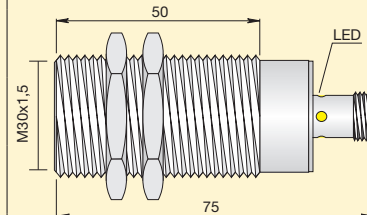
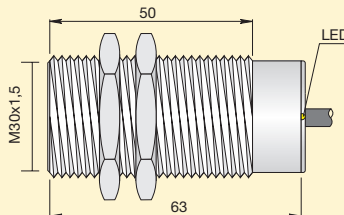
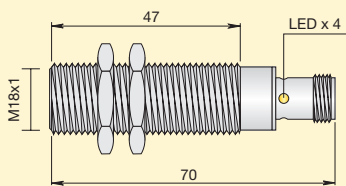
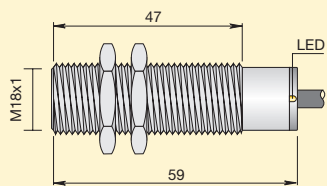


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▲ ●	▲	▲	▲ ●	▲ ●	▲	▲ ●
SMF18 - C5 NPN NO SIM000037		SMF18 - C5 NPN NO H SIM000043		SMF30 - C10 NPN NO SIM000073		SMF30 - C10 NPN NO H SIM000079
SMF18 - C5 NPN NC SIM000040		SMF18 - C5 NPN NC H SIM000044		SMF30 - C10 NPN NC SIM000076		SMF30 - C10 NPN NC H SIM000080
SMF18 - C5 PNP NO SIM000045		SMF18 - C5 PNP NO H SIM000051		SMF30 - C10 PNP NO SIM000081		SMF30 - C10 PNP NO H SIM000087
SMF18 - C5 PNP NC SIM000048		SMF18 - C5 PNP NC H SIM000052		SMF30 - C10 PNP NC SIM000084		SMF30 - C10 PNP NC H SIM000088
	SMF18 - C5 NPN/PNP NO SIM000053		SMF18 - C5 NPN/PNP NO H SIM000059		SMF30 - C10 NPN/PNP NO SIM000089	
	SMF18 - C5 NPN/PNP NC SIM000056		SMF18 - C5 NPN/PNP NC H SIM000060		SMF30 - C10 NPN/PNP NC SIM000092	
						SMF30 - C10 NPN/PNP NO H SIM000095
						SMF30 - C10 NPN/PNP NC H SIM000096

5

10

10 ÷ 30

< 20%

50

≤ 1

≤ 200

≤ 2

< 1.8

Presente
Incorporated

Presente
Incorporated

-25 ÷ +70

IP69K

AISI316L

3 x 0.25 mm²

4 x 0.25 mm²

3 x 0.25 mm²

4 x 0.25 mm²

H (M12)

H (M12)

Vedi pag. 7
See page 7

Vedi pag. 8 - fig. 5
See page 8 - pict. 5

Vedi pag. 8 - fig. 5
See page 8 - pict. 5

Informazioni a richiesta
Information on request

Vedi pag. 9
See page 9

NORME DI INSTALLAZIONE / INSTRUCTIONS FOR INSTALLATION

MODELLI MODELS	TIPO METALLO METAL TYPE	A (mm)	X (mm)
SI12	Fe	>24	>2
SI18	Fe	>36	>1
SI30	Fe	>90	>1
SI12	CuZn-Cu-Al	>24	>10
SI18	CuZn-Cu-Al	>36	>13
SI30	CuZn-Cu-Al	>90	>16

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