

METAL FACE INDUCTIVE SENSORS SMF12-C3 ■ ■ ■ series



- METALLIC CYLINDRICAL HOUSING M12x1
- AMPLIFIED 3 or 4 WIRES D.C.

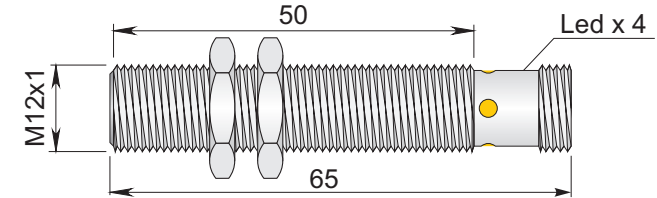
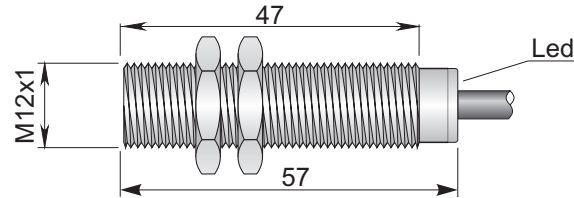
- OUTPUT FUNCTION NO or NC
- OUTPUT TYPE NPN, PNP o NPN/PNP

- IN CONFORMITY WITH: - PRODUCT NORM EN60947-5-2
- ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2004/108 CE



EMBEDDABLE

* = on demand

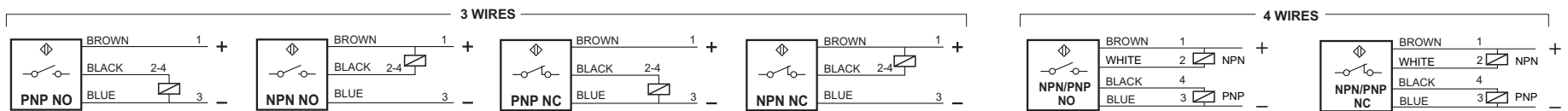


TECHNICAL CHARACTERISTICS

			Dimensions mm		Dimensions mm	
AMPLIFIED 3 Wires D.C.	NPN	NO	SMF12-C3 NPN NO (*)	-	SMF12-C3 NPN NO H	-
		NC	SMF12-C3 NPN NC (*)	-	SMF12-C3 NPN NC H	-
	PNP	NO	SMF12-C3 PNP NO (*)	-	SMF12-C3 PNP NO H	-
		NC	SMF12-C3 PNP NC (*)	-	SMF12-C3 PNP NC H	-
AMPLIFIED 4 Wires D.C.	NPN/PNP	NO	-	SMF12-C3 NPN/PNP NO	-	SMF12-C3 NPN/PNP NO H (*)
		NC	-	SMF12-C3 NPN/PNP NC	-	SMF12-C3 NPN/PNP NC H (*)
Switching distance (Sn)	mm	3				
Continuous voltage (res. ripple ≤ 10%)	V	10 ÷ 30				
Hysteresis (%Sn)		< 20%				
Switching frequency	Hz	50				
Repeatability (at constant temperature)		≤ 1				
Max. output current	mA	200				
Min. output current	mA	≤ 2				
Voltage drop (output ON)	V	< 1.8				
Short circuit protection		Incorporated				
Led		Incorporated				
Operating temperature range	°C	-25 ÷ +70				
IP rating	IP	IP69K				
Housing		AISI 316L				
PVC Cable	2mt	3x0,25 mm ²	4x0,25 mm ²	-		
Connection with connector		-			H	

WIRING DIAGRAM

VIEW OF MALE CONNECTOR



CW226B - 03/16