

RECTANGULAR INDUCTIVE SENSORS SIQ 80

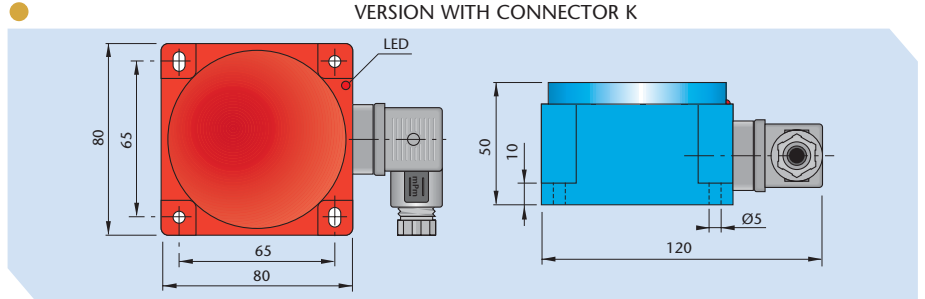


4 WIRES D.C.
CONFORMING TO EN 50044
VERSION-C

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

TECHNICAL CHARACTERISTICS

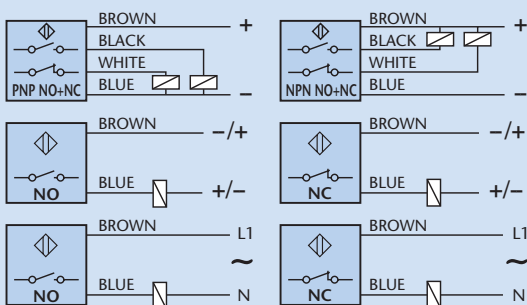
Dimensions mm



AMPLIFIED 4 WIRES D.C. ANTIPHASE	NPN	NO+NC	SIQ 80 - CE50 NPN NO + NC	SIQ 80 - CE50 NPN NO + NC K
	PNP	NO+NC	SIQ 80 - CE50 PNP NO + NC	SIQ 80 - CE50 PNP NO + NC K
AMPLIFIED 2 WIRES D.C.		NO		
		NC		
AMPLIFIED 2 WIRES A.C.		NO		
		NC		

Switching distance Sn	mm	10 ÷ 60 (sensitivity adjustable)	
Continuous voltage (residual ripple ≤10%)	V	10 ÷ 55	
Alternating voltage 50÷60 Hz	V		
Hysteresis (%Sn)	mm	<10% (Sn = 50 mm)	
Switching frequency	Hz	50	
Repeatability	% of Sn	≤ 3	
Max output current	mA	200	
Min output current	mA		
Max peak current for 20 mS	A		
Absorption at 24Vdc	mA	<10	
Residual current	mA		
Voltage drop (sensor ON)	V	<1.8	
Short circuit protection		Incorporated	
Led		Incorporated	
Temperature limits	°C	- 25 ÷ + 70	
Degree of protection	IP	67	65
Housing		Red plastic	
Cable PVC	2m	4 x 0.25 mm ²	
Connector plug		K (type 12)	

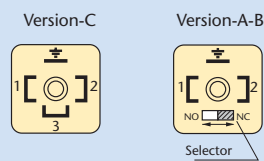
WIRING DIAGRAMS



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

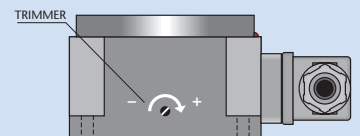
CONNECTION WITH K PLUG FOR THE CONNECTORS SEE PAGE 85

VIEW OF MALE CONNECTOR K



Version	Contact numeration			
	1	2	3	⊕
B	-	+		
C (NO or NC)	-	+		NC/NO
C (Antiphase)	-	+	NC	NO
A	L1	N		

SENSITIVITY ADJUSTMENT



This sensor is supplied with a trimmer for the sensitivity adjustment. The sensitivity increases when the trimmer is rotated in the clockwise direction and decreases in the anti-clockwise direction. Avoid using for a capacity greater than 60 mm referred to a square piece of (FE 37) steel of 1 mm thickness the side of which is equal to 100 mm. When setting the sensor keep in consideration all other metallic objects nearby, in fact setting is suggested to be made when the sensor is installed in the normal working conditions. The sensor is supplied already preset to 50 mm sensitivity.

To locate additional product specifications and technical drawings go to www.asi-ez.com