

AMPLIFIED INDUCTIVE SENSORS

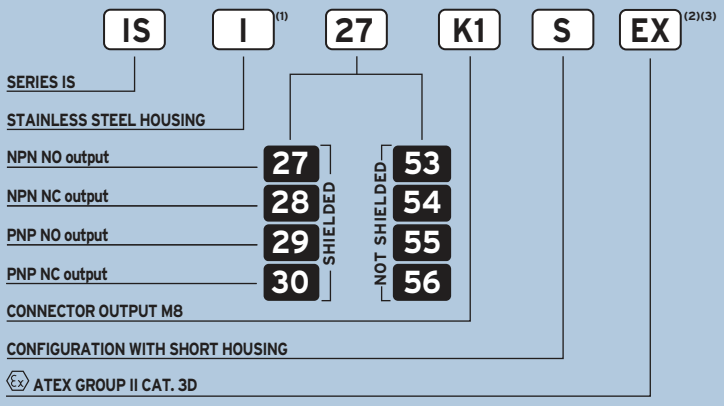
Ø 6.5

10÷30 V DC - 3 WIRES NPN OR PNP OUTPUT

- Range, 1,5mm to 2mm - shielded, not shielded
- NO or NC select
- Cable or M8 quick connect models
- Stainless steel housing

IS Series

IDENTIFICATION CODE

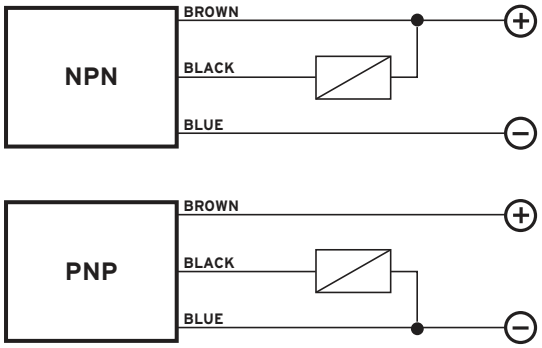


(1) Available only on short housing configuration.
(2) Available only on short stainless steel housing.

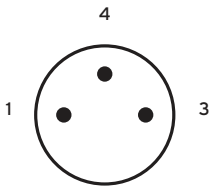
	SHIELDED	NOT SHIELDED
NOMINAL SWITCHING DISTANCE (Sn)	**1,5 mm**	**2 mm**
NOMINAL VOLTAGE	10 ÷ 30 VDC (-15 / +10%)	
RESIDUAL RIPPLE	≤ 10%	
HYSTERESIS	< 10%	
MAX. OUTPUT CURRENT	200 mA	
RESIDUAL CURRENT	< 10 mA	
VOLTAGE DROP (Sensor ON)	< 1.2 V (I = 100 mA)	
OPERATION LED	Present	
SWITCHING FREQUENCY	1000 Hz	
START UP DELAY	≤ 50 ms	
REPEATABILITY	≤ 3%	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
ELECTRIC PROTECTIONS	Against polarity reversal - inductive loads	
TEMPERATURE LIMITS	- 25 ÷ +70 °C	
PROTECTION DEGREE	IP 67	
CABLE LENGTH	2 m	
CABLE SECTION	3 x 0,14 mm²	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT - Cable output -	80 g	
WEIGHT K1 - Connector output -	40 g	

(3) Device marking Ⓔx II 3D IP67 T6X.

WIRING DIAGRAMS



CONNECTION WITH CONNECTOR M8 (K1)



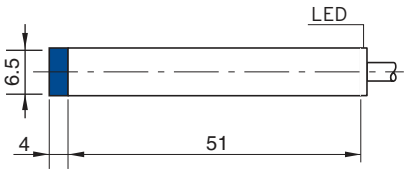
View of tripole male connector

CONTACTS CONFIGURATION

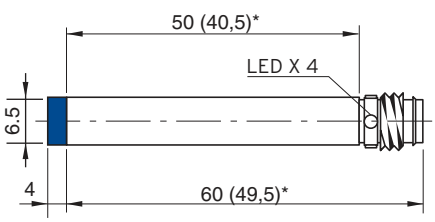
Available	Contacts numbers		
	1 BROWN	3 BLUE	4 BLACK
NPN/PNP	+	−	NO/NC

DIMENSIONS (mm)

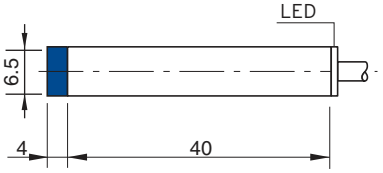
CONFIGURATION WITH CABLE



CONFIGURATION WITH CONNECTOR K1



SHORT HOUSING S



(*) The dimensions into brackets refer to short housing models

Note: the front part in blue refers to not shielded models

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