

AMPLIFIED INDUCTIVE SENSORS

Ø 8 INCREASED RANGE

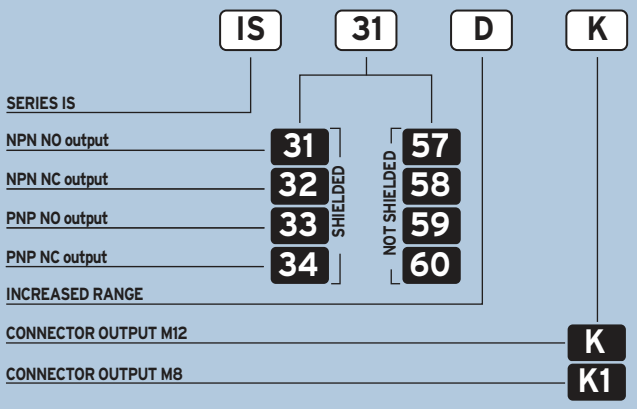
10÷30 V DC - 3 WIRES NPN OR PNP OUTPUT

- Range, 2mm to 3mm - shielded, not shielded
- Short housing models
- 200mA NPN or PNP
- Operation LED
- Cable or M8 and M12 quick connect models

INFRA

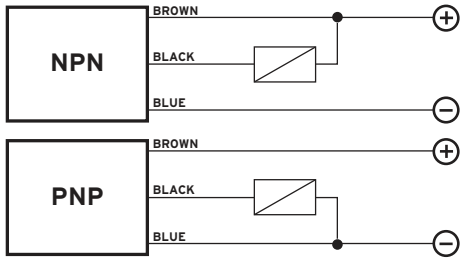
IS Series

IDENTIFICATION CODE

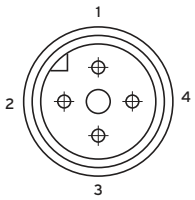


	SHIELDED	NOT SHIELDED
NOMINAL SWITCHING DISTANCE (Sn)	**2 mm**	**3 mm**
NOMINAL VOLTAGE	10 ÷ 30 VDC (-15 / +10%)	
RESIDUAL RIPPLE	≤ 10%	
HYSTERESIS	< 10%	
MAX. OUTPUT CURRENT	200 mA	
RESIDUAL CURRENT	< 10 mA	
VOLTAGE DROP (Sensor ON)	< 1.2 V (I = 100 mA)	
OPERATION LED	Yellow	
SWITCHING FREQUENCY	500 Hz	
START UP DELAY	≤ 75 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	
WEIGHT - K connector output -	55 g	

WIRING DIAGRAMS



CONNECTION WITH CONNECTOR M12 (K)

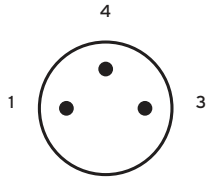


View of quadripole male connector

CONTACTS CONFIGURATION

Available	Contacts numbers			
	1	**2**	**3**	**4**
(NO or NC)	+		−	NO/NC

CONNECTION WITH CONNECTOR M8 (K1)



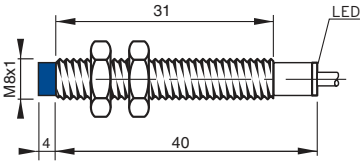
View of tripole male connector

CONTACTS CONFIGURATION

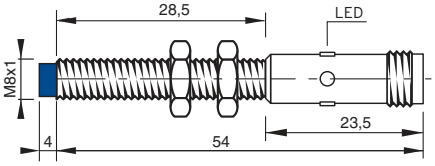
Available	Contacts numbers		
	1	**3**	**4**
(NO or NC)	+	−	NO/NC

DIMENSIONS (mm)

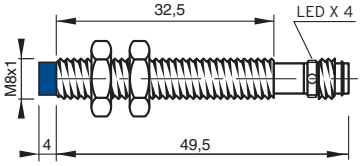
CONFIGURATION WITH CABLE



CONNECTOR K



CONNECTOR K1



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

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