



## AMPLIFIED INDUCTIVE SENSORS

Ø 18

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

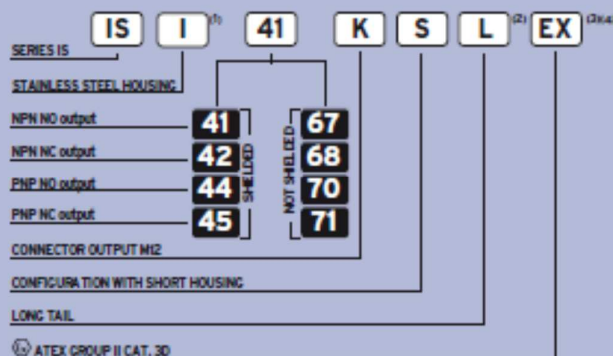
- Range, 5mm to 8mm - shielded, not shielded
- Short housing models
- Cable or M12 quick connect models
- Operation LED
- Stainless steel housing



IS Series



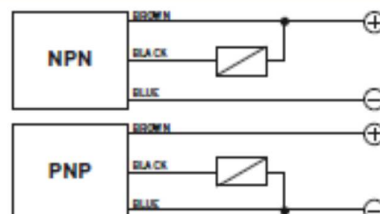
### IDENTIFICATION CODE



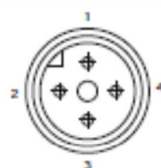
	SHIELDED	NOT SHIELDED
NOMINAL SWITCHING DISTANCE (S <sub>N</sub> )	5 mm	8 mm
NOMINAL VOLTAGE	10 ÷ 30 VDC (-15 / +10%)	
RESIDUAL RIPPLE	≤ 10%	
HYSTERESIS	< 10%	
MAX. OUTPUT CURRENT	200 mA	
RESIDUAL CURRENT	< 10 mA	
VOLTAGE DROP (Sensor ON)	< 1.8 V (I = 100 mA)	
OPERATION LED	Yellow	
SWITCHING FREQUENCY	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 ÷ +60 °C	
PROTECTION DEGREE	IP 67	
CABLE LENGTH	2 m	
CABLE SECTION	3 x 0.25 mm <sup>2</sup>	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT - Cable output -	145 g	
WEIGHT - K connector output -	95 g	

<sup>(1)</sup> Device marking (1) II 3D IP67 T5X.

### WIRING DIAGRAMS



### CONNECTION WITH CONNECTOR M12 (K)

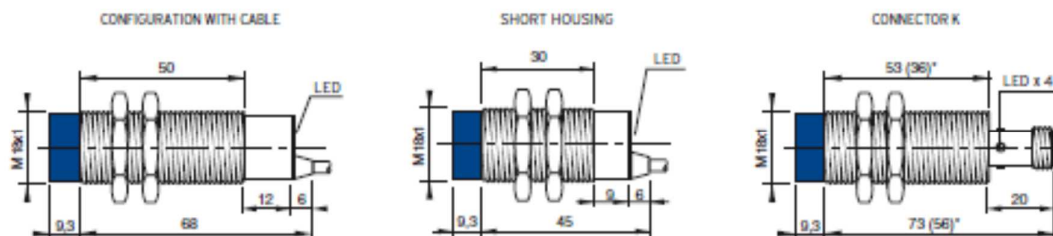


View of quadripole male connector

### CONTACTS CONFIGURATION

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

### DIMENSIONS (mm)



(\*) The dimensions into brackets refer to short housing models  
Note: the front part in blue refers to not shielded models