



## AMPLIFIED INDUCTIVE SENSORS

### Ø 18 INCREASED RANGE

10÷30 V DC - 2 WIRES NO-NC PROGRAMABLE OUTPUT

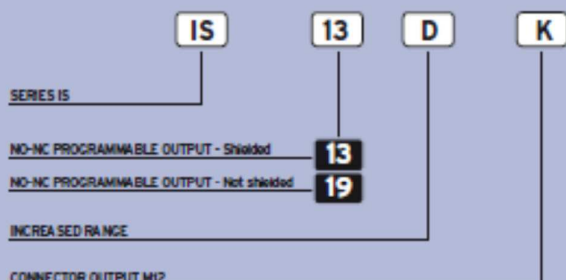
- Range, 8mm to 14mm - shielded, not shielded
- Cable or M12 quick connect models
- Nickel plated brass



IS Series

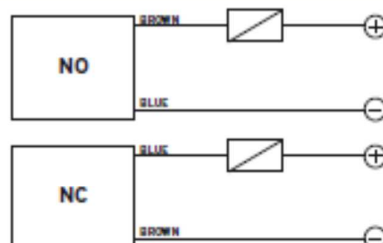


#### IDENTIFICATION CODE



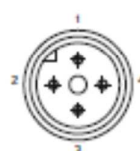
	SHIELDED	NOT SHIELDED
NOMINAL SWITCHING DISTANCE (S <sub>n</sub> )	8 mm	14 mm
NOMINAL VOLTAGE	10 ÷ 30 VDC (-15% / +10%)	
RESIDUAL RIPPLE	≤ 10%	
HYSTERESIS	< 10%	
MAX. OUTPUT CURRENT	100 mA	
MIN. OUTPUT CURRENT	> 1,6 mA	
RESIDUAL CURRENT	< 1,6 mA	
VOLTAGE DROP	< 6,5 V (I = 100 mA)	
OPERATION LED	Yellow	
SWITCHING FREQUENCY	400 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	2 x 0,25 mm <sup>2</sup>	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT - Cable output -	145 g	
WEIGHT - K connector output -	95 g	

#### WIRING DIAGRAMS



**WARNING:** The load can be indifferently connected in series to the blue wire or to the brown wire to simulate NPN or PNP functioning logic.

#### CONNECTION WITH CONNECTOR M12 (K)



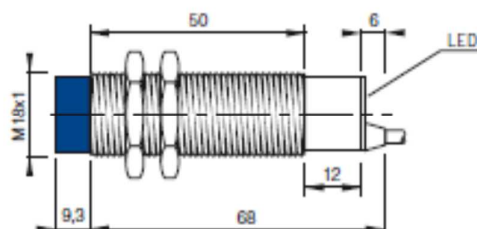
View of  
quadripole  
male  
connector

#### CONTACTS CONFIGURATION

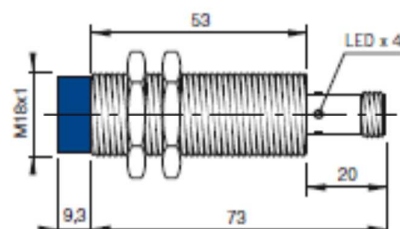
Available	Contacts numbers			
	1	2	3	4
NO	+		-	
NC	-		+	

#### DIMENSIONS (mm)

CONFIGURATION WITH CABLE



CONFIGURATION WITH CONNECTOR K



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