



INDUCTIVE SENSORS

Ø 18

10 ÷ 30 Vdc - 3 WIRES NPN OR PNP OUTPUT

- 5 mm to 8 mm operating distance - shielded, unshielded
- Short housing models
- Cable or M12 connector models
- Output status LED

IS Series

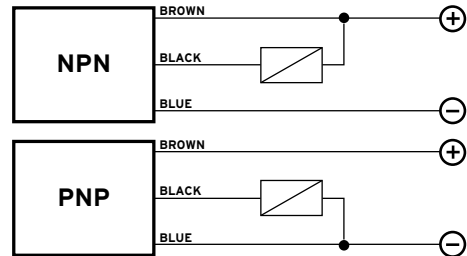


TECHNICAL DATA

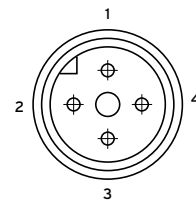
	SHIELDED	UNSHIELDED
OPERATING DISTANCE (Sn)	5 mm	8 mm
POWER SUPPLY	10 ÷ 30 Vdc (-15 / +10%)	
RIPPLE	≤ 10%	
HYSTERESIS	< 10%	
OUTPUT CURRENT	200 mA max.	
CONSUMPTION	< 10 mA @ 24 Vdc	
SATURATION VOLTAGE	< 1.8 V (I = 100 mA)	
INDICATORS	Yellow LED	
SWITCHING FREQUENCY	1000 Hz	
DELAY AT POWER ON	≤ 50 ms	
REPEATABILITY	≤ 3%	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
PROTECTIONS CIRCUIT	Against polarity reversal - inductive loads	
OPERATING TEMPERATURE	- 25 ÷ +60 °C	
MECHANICAL PROTECTION	IP67	
CONNECTIONS	2 m cable (3 x 0.25 mm ²)	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT	145 g cable version 95 g M12 connector cable	

⁽⁴⁾ Device marking II 3D IP67 T6X.

CONNECTIONS



M12 CONNECTOR

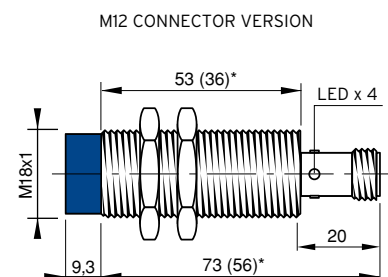
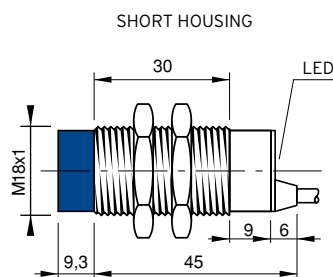
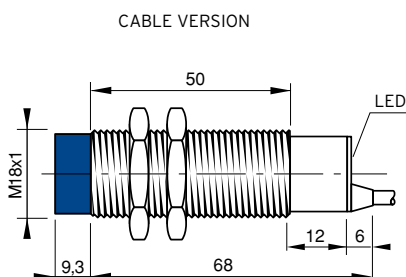


View of quadripole male connector

CONFIGURATION

Outputs	PIN numbers			
	1	2	3	4
(NO or NC)	+		-	NO/NC

DIMENSIONS (mm)



(*) The dimensions in brackets refer to short housing models
Note: the front part in blue is valid only for unshielded models



MODEL SELECTION TABLE

DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC	S2 = M12 CONN.
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC	
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC	
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO	
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC	
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC	
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires	

PRODUCT TABLE

DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE
IS-18-A1-03	2 m CABLE	yes	standard	95B061340
IS-18-A1-S2	M12 CONNECTOR	yes	standard	95B061350
IS-18-A2-03	2 m CABLE	yes	standard	95B061360
IS-18-A2-S2	M12 CONNECTOR	yes	standard	95B061370
IS-18-A3-03	2 m CABLE	yes	standard	95B061300
IS-18-A3-S2	M12 CONNECTOR	yes	standard	95B061310
IS-18-A4-03	2 m CABLE	yes	standard	95B061320
IS-18-A4-S2	M12 CONNECTOR	yes	standard	95B061330
IS-18-B1-03	2 m CABLE	yes	short	95B062140
IS-18-B1-S2	M12 CONNECTOR	yes	short	95B062150
IS-18-B2-03	2 m CABLE	yes	short	95B062160
IS-18-B2-S2	M12 CONNECTOR	yes	short	95B062170
IS-18-B3-03	2 m CABLE	yes	short	95B062100
IS-18-B3-S2	M12 CONNECTOR	yes	short	95B062110
IS-18-B4-03	2 m CABLE	yes	short	95B062120
IS-18-B4-S2	M12 CONNECTOR	yes	short	95B062130
IS-18-C1-03	2 m CABLE	no	standard	95B061740
IS-18-C1-S2	M12 CONNECTOR	no	standard	95B061750
IS-18-C2-03	2 m CABLE	no	standard	95B061760
IS-18-C2-S2	M12 CONNECTOR	no	standard	95B061770
IS-18-C3-03	2 m CABLE	no	standard	95B061700
IS-18-C3-S2	M12 CONNECTOR	no	standard	95B061710
IS-18-C4-03	2 m CABLE	no	standard	95B061720
IS-18-C4-S2	M12 CONNECTOR	no	standard	95B061730
IS-18-D1-03	2 m CABLE	no	short	95B062540
IS-18-D1-S2	M12 CONNECTOR	no	short	95B062550
IS-18-D2-03	2 m CABLE	no	short	95B062560
IS-18-D2-S2	M12 CONNECTOR	no	short	95B062570
IS-18-D3-03	2 m CABLE	no	short	95B062500
IS-18-D3-S2	M12 CONNECTOR	no	short	95B062510
IS-18-D4-03	2 m CABLE	no	short	95B062520
IS-18-D4-S2	M12 CONNECTOR	no	short	95B062530