



Integral cable with LED

Protection mode:

Type of protection: II 1GD EEx ia IIC
II 1D
Class of temperature: T6
Protection degree: IP67



Description:

With this new series of sensors it's possible to drive specific inputs for NAMUR sensors or inputs for 2 wires amplified switches with low current (up to 10 mA). The load can be applied on both terminals (function PNP or NPN)
The output is internally triggered and monitored by LED.

Technicals data:

- Working voltage: 7,7 ÷ 9 Vcc
- Max ripple: 10 %
- Off-state current (I_r): 1 mA
- Minimum operational current (I_m): 2 mA
- Rated operational current (I_e): 10 mA
- Voltage drop (U_d) at 10 mA: < 6,5 V
- Voltage drop (U_d) at 8 mA: < 5 V
- Temperature range: - 20° ÷ +60°C
- Max thermal drift of sensing distance Sr: ± 10 %
- Repeat accuracy (R): 2 %
- Switching hysteresis (H): 10 %
- Switch status indicator: LED yellow
- Wire cross section: - 0,34 mm² on 8 and 12 mm
- 0,75 mm² on 18 and 30 mm

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90° C; 300 V; O.R.
- Housing: nickel plated brass
- Sensing face: plastic

Safety parameters :

- V_i max 13,5 V
- I_i max 60 mA
- C_i max 100 nF
- L_i max 100 µH
- P_i max 200 mW

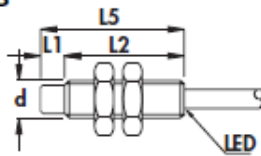
- Protected against short-circuit and overload
- Protected against any wrong connection
- According to standards EN60947-5-6 - EN50014 - EN50020 - EN50281-1-1
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- Shock and vibration with standability according to IEC 68-2-27 IEC 68-2-6

Diameter		M8 x 1	M12 x 1	M18 x 1	M30 x 1,5
Nut	Size	SW13	SW17	SW24	SW36
	Thickness mm	4	4	4	5
Max tightening torque Nm		10	15	35	80

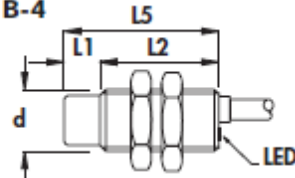


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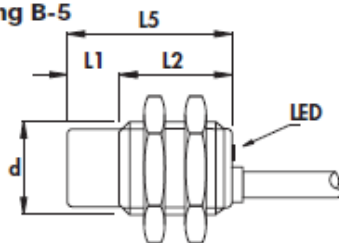
Housing B



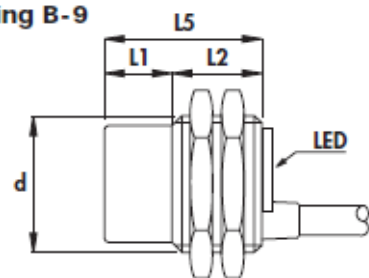
Housing B-4

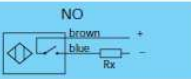



Housing B-5



Housing B-9



Body type	Flush fitting Non flush fitting	L1	L2	L3	L4	L5	Cable diameter mm	Body diameter (d) mm	Nominal sensing dist. (S _n) ± 10% mm	Max switching frequency (f) KHz	ORDERING REFERENCES	
		mm	mm	mm	mm	mm						
B	•	-	30	-	-	30	4	M8 x 1	1,5	3	DC8/4600SA	DC8/4610SA
B	•	5	25	-	-	30	4	M8 x 1	2,5	2	DC8/5600SA	DC8/5610SA
B-4	•	-	30	-	-	30	4	M12 x 1	2	2	DC12/4600KSA	DC12/4610KSA
B-4	•	7	23	-	-	30	4	M12 x 1	4	1	DC12/5600KSA	DC12/5610KSA
B-5	•	-	30	-	-	30	5	M18 x 1	5	0,8	DC18/4600KSA	DC18/4610KSA
B-5	•	10	20	-	-	30	5	M18 x 1	8	0,6	DC18/5600KSA	DC18/5610KSA
B-9	•	-	35	-	-	35	5	M30 x 1,5	10	0,8	DC30/4600KSA	DC30/4610KSA
B-9	•	15	20	-	-	35	5	M30 x 1,5	15	0,4	DC30/5600KSA	DC30/5610KSA