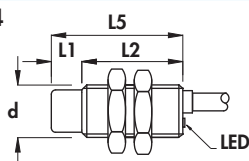


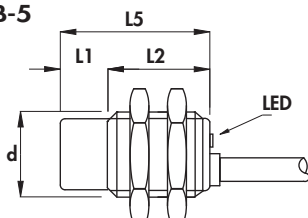


**NAMUR SERIES WITH LED diameters 12 - 18 - 30 mm •
ATEX certified II 1GD for zone 0;20 •
Cable output •**

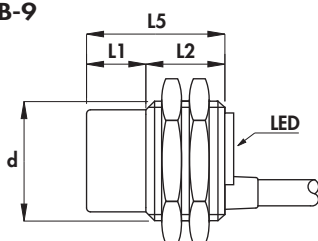
Housing B-4



Housing B-5



Housing B-9



General features:

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.

Technical data:

- Working voltage: 7,7 ÷ 9 Vdc
- Max ripple: 10%
- Off-state current (I_o): ≤ 1 mA
- Minimum operational current (I_m): 2 mA
- Rated operational current (I_p): 10 mA
- Voltage drop (U_d) with load 10 mA: < 6,5 V
- Voltage drop (U_d) with load 8 mA: < 5 V
- Temperature range: - 20° ÷ +60°C
- Max thermal drift of sensing distance S_p: ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis max (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,35 mm² in diameter 12 mm
0,75 mm² in diameters 18 and 30 mm

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

Materials:

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

- Marking: II 1D Ex iaD 20 T80°C
II 1G Ex ia IIC T6
- Certified IMQ 08 ATEX 010
- Protected against short-circuit and overload
- Protected against any wrong connection
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- According to: EN60947-5-6/EN60079-0/EN60079-11/EN60079-26
- Shock and vibration resistance according to EN60068-2-27/EN60068-2-6

Safety parameters:

- Vi max: 13,5 V
- Ii max: 60 mA
- Ci max: 100 nF
- Li max: 100 µH
- Pi max: 200 mW

These sensors must be used in conjunction with associated apparatus (See Sect. E)

Use in hazardous area according to instruction manuals

Housing	Flush mounting Non flush mounting	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Max switching frequency (F)	Nominal sensing distance (S _p) ± 10%	ORDERING REFERENCES	
											mm	mm
B-4	•	-	30	-	-	30	4	M12 x 1	2	2	NO brown + blue - Rx -	NC brown + blue - Rx -
B-4	•	7	23	-	-	30	4	M12 x 1	1	4	DC12/4600KSA DC12/5600KSA	DC12/4610KSA DC12/5610KSA
B-5	•	-	30	-	-	30	5	M18 x 1	0,8	5	DC18/4600KSA DC18/5600KSA	DC18/4610KSA DC18/5610KSA
B-5	•	10	20	-	-	30	5	M18 x 1	0,6	8	DC18/4600KSA DC18/5600KSA	DC18/4610KSA DC18/5610KSA
B-9	•	-	35	-	-	35	5	M30 x 1,5	0,8	10	DC30/4600KSA DC30/5600KSA	DC30/4610KSA DC30/5610KSA
B-9	•	15	20	-	-	35	5	M30 x 1,5	0,4	15	DC30/4600KSA DC30/5600KSA	DC30/4610KSA DC30/5610KSA