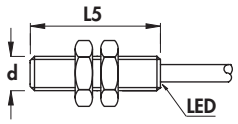
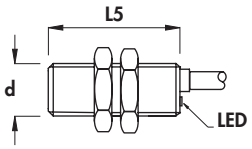
NAMUR SERIES with LED •
ATEX certified II 1GD for zone 0;20 •
Cable output •

Housing B-14



Housing B-15

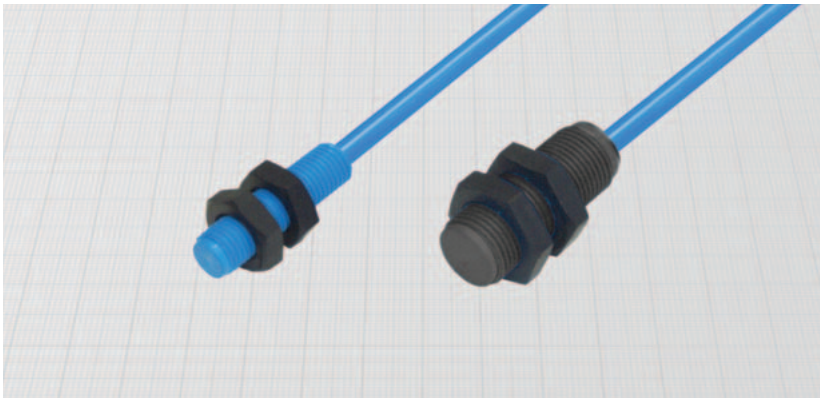


Diameter		M8 x 1	M12 x 1
Nut	Size	SW13	SW17
	Thickness mm	4	4
Max tightening torque Nm		1	1

Materials:

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

(*) Note: For flush mounting version, it's recommended to leave the sensing face outside of metal for a length equal to a half of the external diameter.



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_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 S_r: ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,35 mm²
- Marking: II 1D IP67 T80°C
  II 1G EEx ia IIC T6
- Certified CESI 03 ATEX 080
- Protected against short-circuit and overload (8 mm not included)
- Protected against any wrong connection
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- According to: EN60947-5-6/EN50014/EN50020/EN50281-1-1/EN50284
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

Safety parameters:

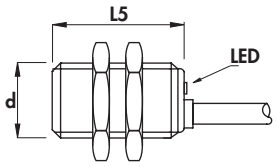
- Vi max: 13,5 V
- Ii max: 60 mA
- Ci max: 100 nF
- Li max: 100 µH
- Pi max: 200 mW

Use in hazardous area according to instruction manuals

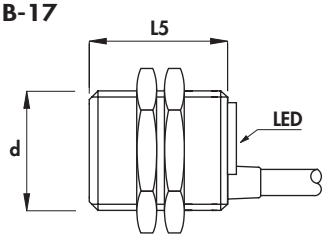
Housing	Flush mounting / Non flush mounting (*)	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Nominal sensing distance (S_n) ± 10%%	Max switching frequency (f)	ORDERING REFERENCES NO	ORDERING REFERENCES NC
		mm	mm	mm	mm	mm	mm	mm	mm	KHz		
B-14	•	-	-	-	-	30	4	M8 x 1	1,5	3	**DC8P/4600SA**	**DC8P/4610SA**
B-14	•	-	-	-	-	30	4	M8 x 1	2,5	2	**DC8P/5600SA**	**DC8P/5610SA**
B-15	•	-	-	-	-	30	4	M12 x 1	2	2	**DC12P/4600KSA**	**DC12P/4610KSA**
B-15	•	-	-	-	-	30	4	M12 x 1	4	1	**DC12P/5600KSA**	**DC12P/5610KSA**

• NAMUR SERIES with LED
• ATEX certified II 1GD for zone 0;20
• Cable output

Housing B-16



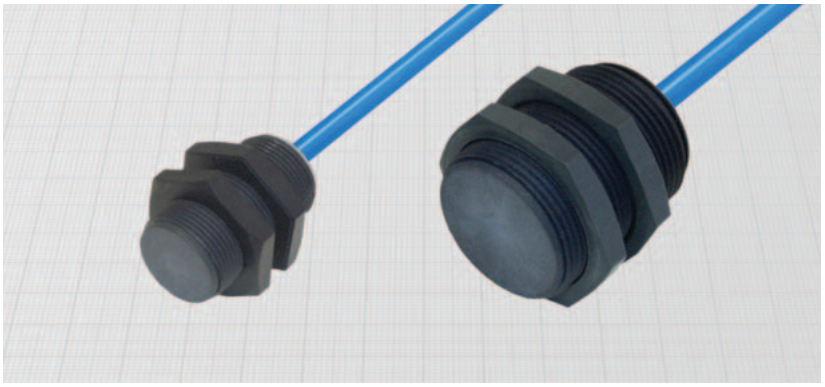
Housing B-17



Diameter		M18 x 1	M30 x 1,5
Nut	Size	SW24	SW36
	Thickness mm	4	5
Max tightening torque Nm		5	20

Materials:
- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: plastic

(*) Note: For flush mounting version, it's recommended to leave the sensing face outside of metal for a length equal to a half of the external diameter.



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. The special material of the housing allows the use without additional protections against electrostatic charges.

Technical data:
- Working voltage: 7,7 ÷ 9 Vdc
- 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 S_r: ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,75 mm²
- Marking: II 1D IP67 T80°C
  II 1G EEx ia IIC T6
- Certified CESI 03 ATEX 080
- Protected against short-circuit and overload
- Protected against any wrong connection
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- According to: EN60947-5-6/EN50014/EN50020/EN50281-1-1/EN50284
- 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

Use in hazardous area according to instruction manuals

Housing	Flush mounting / Non flush mounting (*)	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Nominal sensing distance (S_n) ±10%	Max switching frequency (f)	ORDERING REFERENCES NO	ORDERING REFERENCES NC
		mm	mm	mm	mm	mm	mm	mm	mm	KHz		
B-16	•	-	-	-	-	30	5	M18 x 1	5	0,8	**DC18P/4600KSA**	**DC18P/4610KSA**
B-16	•	-	-	-	-	30	5	M18 x 1	8	0,6	**DC18P/5600KSA**	**DC18P/5610KSA**
B-17	•	-	-	-	-	35	5	M30 x 1,5	10	0,8	**DC30P/4600KSA**	**DC30P/4610KSA**
B-17	•	-	-	-	-	35	5	M30 x 1,5	15	0,4	**DC30P/5600KSA**	**DC30P/5610KSA**

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