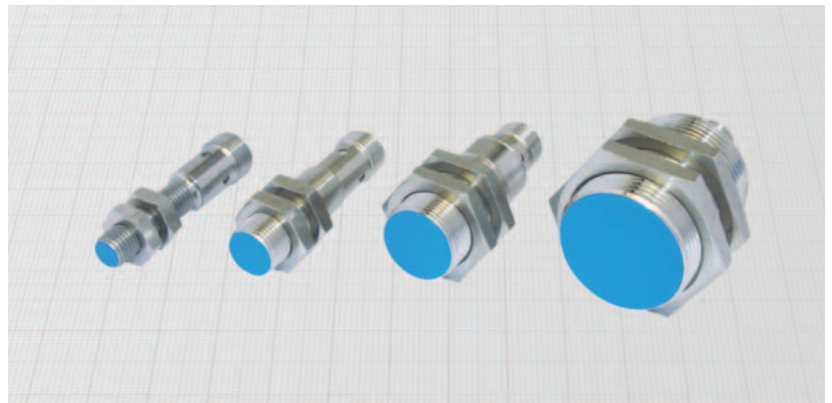
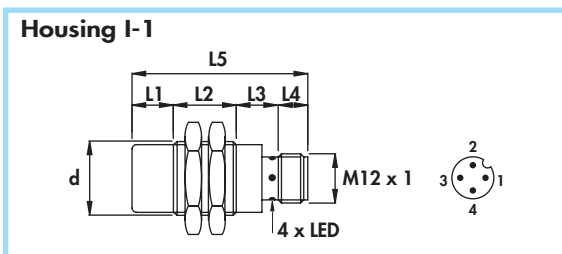
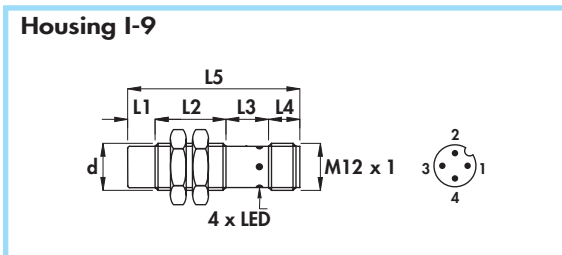
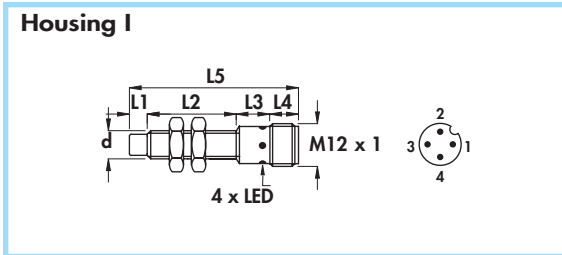


NAMUR SERIES with LED •
Non amplified in d.c. •
Connector output M12 x 1 •



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). Thanks to LED monitoring and to the internally triggered output, direct use is allowed with PLC and other electronic inputs optimizing in this way the wiring and the reliability of the entire system.

Technical data:

- Working voltage: 7,7 ÷ 30 Vdc
- Max ripple: 10%
- Off-state current (I_o): < 1 mA
- Minimum operational current (I_m): 2 mA
- Rated operational current (I_e): 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: - 25° ÷ +70°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
- Protected against short-circuit and overload (8 mm not included)
- Protected against any wrong connection
- According to EN60947-5-6
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

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	

Materials:

- Housing 8 mm: stainless steel
- Housing 12 - 18 - 30 mm: nickel plated brass
- Sensing face: plastic

Use according to NAMUR:

- Supply voltage: 7,7 ÷ 9 Vdc
- Consumption at 8,2 V with R_x = 1000 Ω
 with metal: ≤ 1 mA
 without metal: ≥ 3 mA
- For certified ATEX version see ATEX Catalogue

Housing	Flush mounting Non flush mounting	L1	L2	L3	L4	L5	Female connector	Body diameter (d)	Max switching frequency (f)	Nominal sensing distance (S _r) ± 10%	ORDERING REFERENCES	
											mm	mm
I	•	-	26	13	8	47	6-8B-10	M8 x 1	3	1,5	DC8/4300S	DC8/4310S
	•	5	21	13	8	47	6-8B-10	M8 x 1	2	2,5	DC8/5300S	DC8/5310S
I-9	•	-	30	10	8	48	6-8B-10	M12 x 1	2	2	DC12/4300KS	DC12/4310KS
	•	7	23	10	8	48	6-8B-10	M12 x 1	1	4	DC12/5300KS	DC12/5310KS
I-1	•	-	25	16	8	49	6-8B-10	M18 x 1	0,8	5	DC18/4300KS	DC18/4310KS
	•	10	15	16	8	49	6-8B-10	M18 x 1	0,6	8	DC18/5300KS	DC18/5310KS
I-1	•	-	25	17	8	50	6-8B-10	M30 x 1,5	0,8	10	DC30/4300KS	DC30/4310KS
	•	15	25	17	8	65	6-8B-10	M30 x 1,5	0,4	15	DC30/5300KS	DC30/5310KS