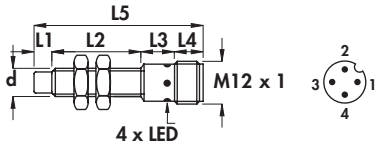
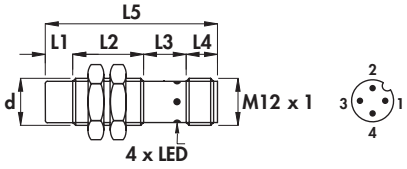
• NAMUR SERIES with LED
• ATEX certified II 1GD for zone 0;20
• Connector output M12 x 1

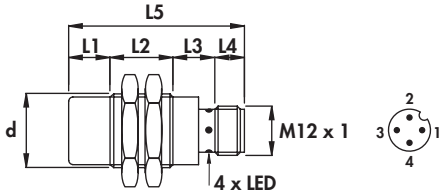
Housing I



Housing I-9

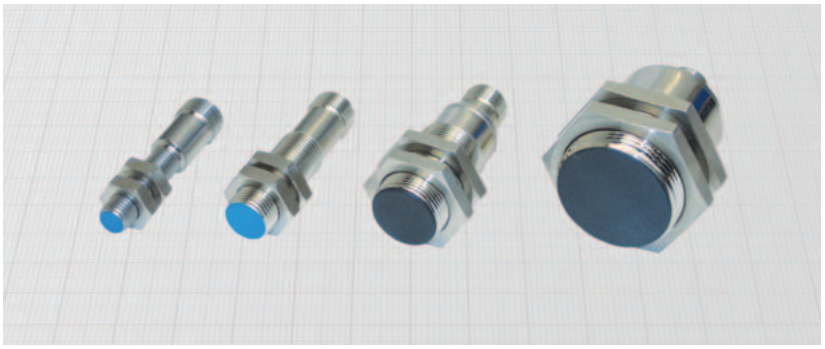


Housing I-1



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



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
- Marking: Ⓔx 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 CE
- 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	Female connector Atex	Body diameter (d)	Nominal sensing distance (S_n) ±10%	Max switching frequency (f)	ORDERING REFERENCES NO	ORDERING REFERENCES NC
			mm	mm	mm	mm	mm	n°	mm	mm	KHz		
I	•		-	26	13	8	47	8B - 10	M8 x 1	1,5	3	**DC8/4300SA**	**DC8/4310SA**
I		•	5	21	13	8	47	8B - 10	M8 x 1	2,5	2	**DC8/5300SA**	**DC8/5310SA**
I-9	•		-	30	10	8	48	8B - 10	M12 x 1	2	2	**DC12/4300KSA**	**DC12/4310KSA**
I-9		•	7	23	10	8	48	8B - 10	M12 x 1	4	1	**DC12/5300KSA**	**DC12/5310KSA**
I-1	•		-	25	16	8	49	8B - 10	M18 x 1	5	0,8	**DC18/4300KSA**	**DC18/4310KSA**
I-1		•	10	15	16	8	49	8B - 10	M18 x 1	8	0,6	**DC18/5300KSA**	**DC18/5310KSA**
I-1	•		-	25	17	8	50	8B - 10	M30 x 1,5	10	0,8	**DC30/4300KSA**	**DC30/4310KSA**
I-1		•	15	25	17	8	65	8B - 10	M30 x 1,5	15	0,4	**DC30/5300KSA**	**DC30/5310KSA**

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