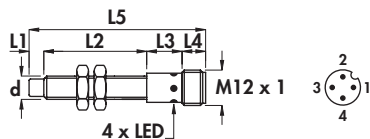


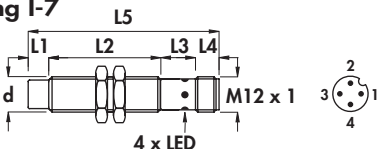
CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- Supply 10 ÷ 50 V \approx
- Amplified in d.c. + a.c.
- Connector output M12 x 1

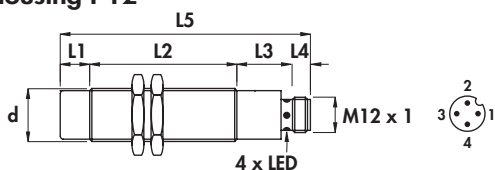
Housing I-11



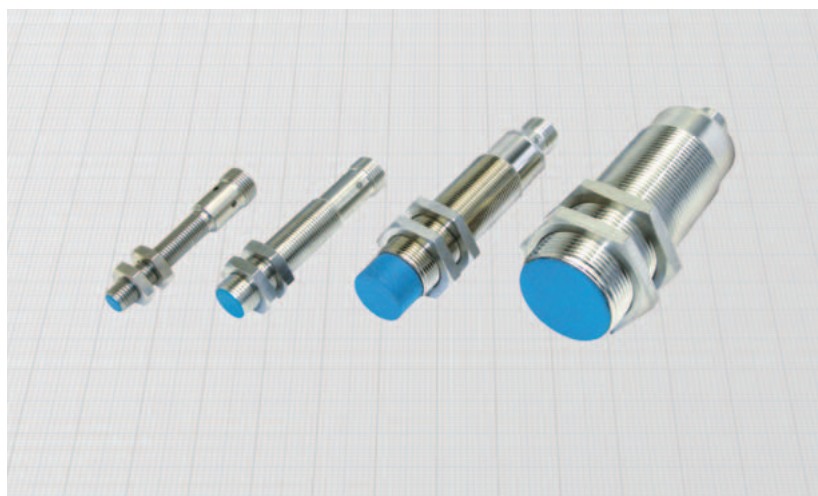
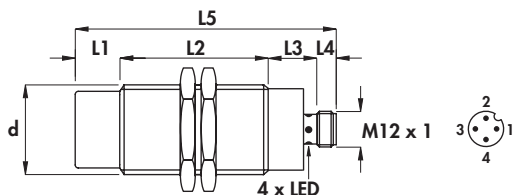
Housing I-7



Housing I-12



Housing I-2



Diameter	M8 x 1	M12 x 1	M18 x 1	M30 x 1,5
Nut	Size	SW13	SW17	SW24
	Thickness mm	4	4	4
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:

These sensors are able to work with either direct or alternate current. Voltage drop and residual current are very low. They are not polarized and the load can be connected on both the leads. In many applications they can be used to replace mechanical microswitches.

Technical data:

- Supply voltage (U_B): 10 ÷ 50 Vdc/Vac
- Electrical system frequency: 40 ÷ 60 Hz
- Off-state current (I_o): ≤ 1 mA
- Minimum operational current (I_m): 5 mA
- Voltage drop (U_d): ≤ 5 V
- Temperature range: -25° ÷ +70°C
- Max thermal drift of sensing distance S_T : $\pm 10\%$
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Protected against short-circuit and overload (versions with letter K)
- Suppression of initial false impulse
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

Housing	Flush mounting Non flush mounting	L1	L2	L3	L4	L5	Female connector	Body diameter (d)	Max switching frequency (f) in d.c.	Max switching frequency (f) in a.c.	Rated operational current (I_e)	Nominal sensing distance (S_n) $\pm 10\%$	ORDERING REFERENCES		
													mm	mm	mm
I-11	•	-	40	12	8	60	6-8B-10	M8 x 1	1000	25	100	1,5		AXM8/4300S	AXM8/4310S
I-11	•	5	35	12	8	60	6-8B-10	M8 x 1	800	25	100	2,5		AXM8/5300S	AXM8/5310S
I-7	•	-	43	15	8	66	6-8B-10	M12 x 1	800	25	100	2		AXM12/4300KS	AXM12/4310KS
I-7	•	7	36	15	8	66	6-8B-10	M12 x 1	600	25	100	4		AXM12/5300KS	AXM12/5310KS
I-12	•	-	50	19	8	77	6-8B-10	M18 x 1	800	25	200	5		AXM18/4300KS	AXM18/4310KS
I-12	•	10	50	19	8	87	6-8B-10	M18 x 1	400	25	200	8		AXM18/5300KS	AXM18/5310KS
I-2	•	-	65	17	8	90	6-8B-10	M30 x 1,5	400	25	200	10		AXM30/4300KS	AXM30/4310KS
I-2	•	15	50	17	8	90	6-8B-10	M30 x 1,5	200	25	200	15		AXM30/5300KS	AXM30/5310KS