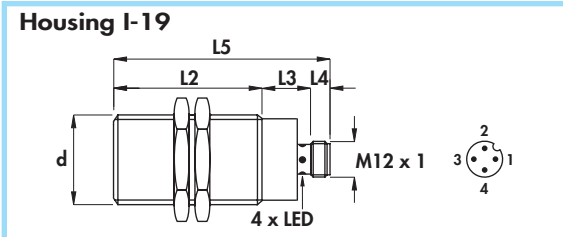
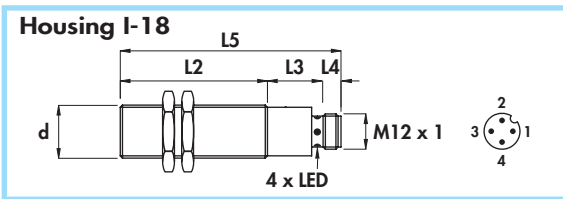
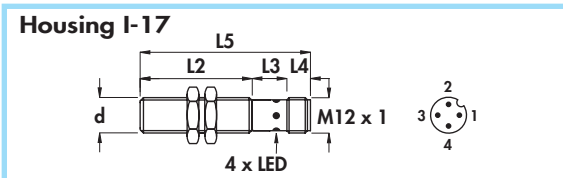
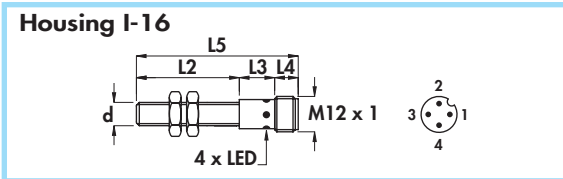


# CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- With extended temperature range (-40° ÷ + 85°C)
- Amplified in d.c. 3 and 4 wires
- Connector output M12 x 1



Diameter	M8 x 1	M12 x 1	M18 x 1	M30 x 1,5	M45 x 1,5
Nut	Size SW13	SW17	SW24	SW36	SW55
	Thkns mm 4	4	4	5	5
Max tightening torque Nm	10	15	35	80	70

**Materials:**

- Housing 8 mm: stainless steel
- Housing 12 ÷ 45 mm: nickel plated brass
- Sensing face: plastic

**Technical data:**

- Supply voltage (U<sub>B</sub>): 10 ÷ 30 Vdc
- Max ripple: 10%
- No-load supply current (I<sub>0</sub>): ≤ 10 mA
- Voltage drop (U<sub>d</sub>): see ordering references
- Temperature range: -40° ÷ + 85°C
- Max thermal drift of sensing distance S<sub>r</sub>: ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Protected against short-circuit and overload
- Protected against any wrong connection
- 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	L2	L3	L4	L5	Female connector (see pag. H-1)	Body diameter (d)	Voltage drop (U <sub>d</sub> )	Max switching frequency (f <sub>y</sub> )	Rated operational current (I <sub>o</sub> )	Nominal sensing dist. (S <sub>r</sub> ) ± 10%	ORDERING REFERENCES		
												PNP (positive switching)		
		mm	mm	mm	mm	n°	mm	V	KHz	mA	mm	NO	NC	NO + NC
I-16	•	40	12	8	60	8B-10...T	M8 x 1	1,5	4	150	1,5			-
I-17	•	43	15	8	66	8B-10...T	M12 x 1	1,5	2	150	2			DCA12/4329KST
I-18	•	50	19	8	77	8B-10...T	M18 x 1	2,2	1	250	5			DCA18/4329KST
I-19	•	65	17	8	90	8B-10...T	M30 x 1,5	2,2	0,8	250	10			DCA30/4329KST
I-19	•	50	19	8	77	8B-10...T	M45 x 1,5	2,2	0,15	250	20			DCA45/4329KST

**NPN (negative switching)**

Use the above mentioned part number changing the last number 9 with 8 (ie. DCA8/4308KST)

