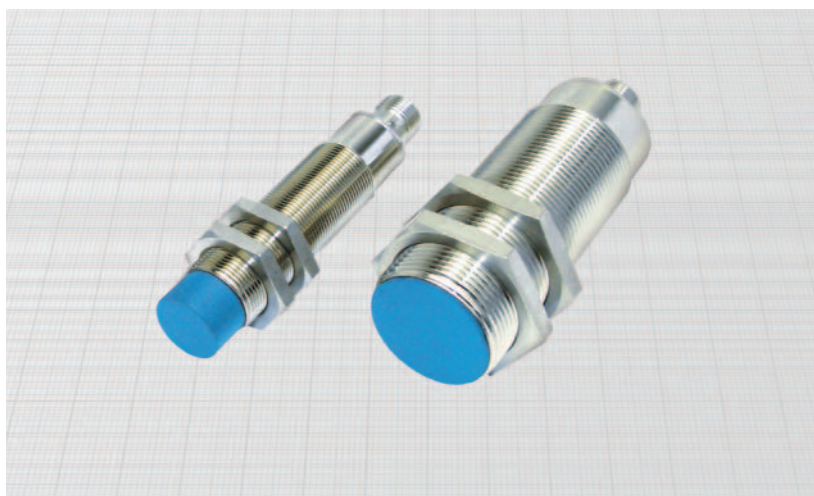
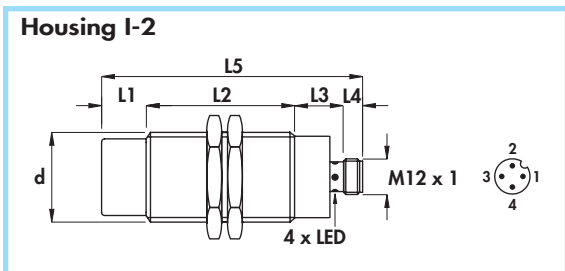
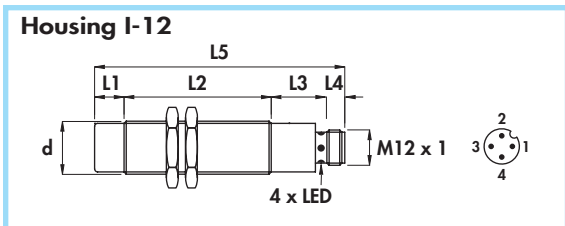


Extended sensing distance - diameters 18 - 30 mm •  
 Amplified in d.c. •  
 Connector output M12 x 1 •



Diameter	M18 x 1	M30 x 1,5
Nut	Size	SW24
	Thkns mm	4
Max tightening torque Nm	35	80

**Materials:**

- Housing: nickel plated brass
- Sensing face: plastic

**Technical data:**

- Supply voltage ( $U_B$ ): see ordering references
- Max ripple: 10%
- Rated operational current ( $I_B$ ): 200 mA
- No-load supply current ( $I_0$ ):  $\leq 10$  mA
- Voltage drop ( $U_d$ ):  $\leq 1,5$  V
- Temperature range:  $-20^\circ \div +70^\circ$  C
- Max thermal drift of sensing distance  $S_r$ :  $\pm 10\%$
- Repeat accuracy (R): 4%
- 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	L1	L2	L3	L4	L5	Female connector	Body diameter (d)	Supply voltage ( $U_B$ )	Max switching frequency (f)	Nominal sensing distance ( $S_n$ ) $\pm 10\%$	ORDERING REFERENCES	
												PNP (positive switching)	
I-12	•	-	50	19	8	77	6-8B-10	M18 x 1	7 ÷ 40	300	8		
I-12	•	-	50	19	8	77	6-8B-10	M18 x 1	7 ÷ 40	300	10	<b>DCAE18/4309KS</b>	<b>DCAE18/43C9KS</b>
I-12	•	10	50	19	8	87	6-8B-10	M18 x 1	7 ÷ 40	200	12	<b>DCE18/4309KS</b>	<b>DCE18/43C9KS</b>
I-12	•	10	50	19	8	87	6-8B-10	M18 x 1	7 ÷ 40	200	14	<b>DCAE18/5309KS</b>	<b>DCAE18/53C9KS</b>
I-12	•	10	50	19	8	87	6-8B-10	M18 x 1	7 ÷ 40	200	14	<b>DCE18/5309KS</b>	<b>DCE18/53C9KS</b>
I-2	•	-	65	17	8	90	6-8B-10	M30 x 1,5	7 ÷ 40	100	15	<b>DCAE30/4309KS</b>	<b>DCAE30/43C9KS</b>
I-2	•	-	65	17	8	90	6-8B-10	M30 x 1,5	7 ÷ 40	100	20	<b>DCE30/4309KS</b>	<b>DCE30/43C9KS</b>
I-2	•	15	50	17	8	90	6-8B-10	M30 x 1,5	7 ÷ 40	100	20	<b>DCAE30/5309KS</b>	<b>DCAE30/53C9KS</b>
I-2	•	15	50	17	8	90	6-8B-10	M30 x 1,5	7 ÷ 40	100	28	<b>DCE30/5309KS</b>	<b>DCE30/53C9KS</b>

(\*) Note: See mounting precautions (pag. 22)

