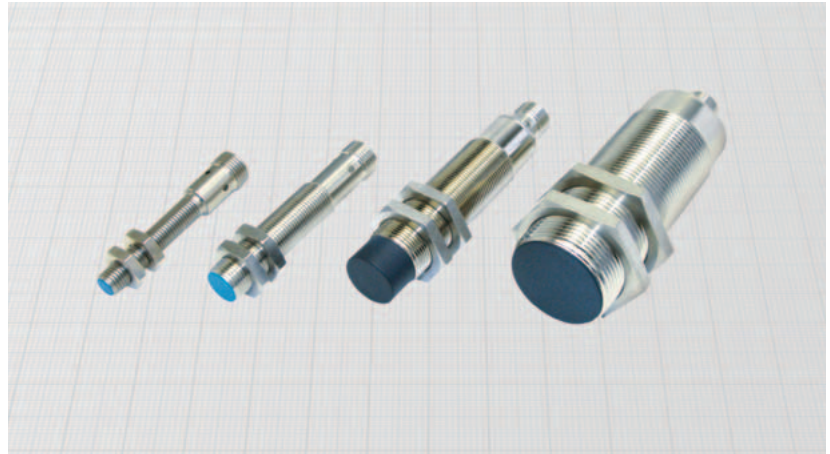
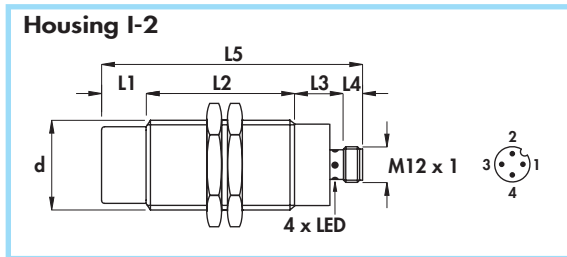
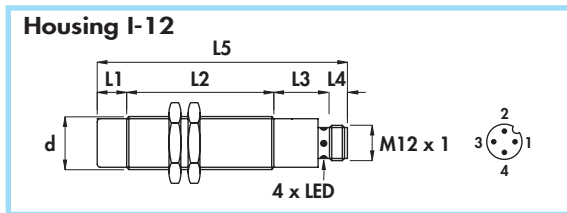
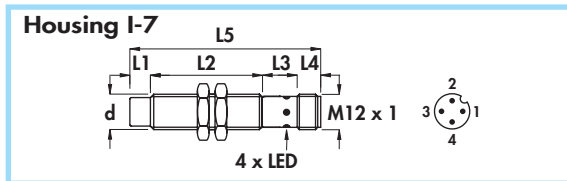
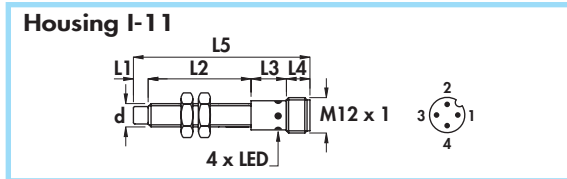


# CYLINDRICAL INDUCTIVE ATEX SENSORS IN METAL HOUSING

- **AMPLIFIED IN d.c.**
- **ATEX certified II 3GD for zone 2;22**
- Connector output M12 x 1



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 ÷ 30 mm: nickel plated brass
- Sensing face: plastic

## Technical data:

- Supply voltage ( $U_B$ ): see ordering references
- Max ripple: 10%
- Rated operational current ( $I_B$ ): 100 mA
- No-load supply current ( $I_0$ ):  $\leq 10$  mA
- Voltage drop ( $U_d$ ):  $< 1,5$  V
- Temperature range:  $-20^\circ \div +60^\circ\text{C}$
- 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
- Marking: II 3D IP67 T80°C X  
II 3G EEx nA IIC T6 X

- Protected against short-circuit and overload
- Protected against any wrong connection
- Suppression of initial false impulse
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- According to: EN50014/EN60079-15/EN50281-1-1
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

**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)	Supply voltage ( $U_B$ )	Max switching frequency (f)	Nominal sensing distance ( $S_n$ ) $\pm 10\%$	ORDERING REFERENCES		
												PNP (positive switching)		
												NO	NC	NO + NC
I-11	•	-	40	12	8	60	C8B - C10	M8 x 1	7 ÷ 30	4	1,5	DCA8/4309KS3GD	DCA8/43C9KS3GD	DCA8/4329KS3GD
I-11	•	5	35	12	8	60	C8B - C10	M8 x 1	7 ÷ 30	3	2,5	DCA8/5309KS3GD	DCA8/53C9KS3GD	DCA8/5329KS3GD
I-7	•	-	43	15	8	66	C8B - C10	M12 x 1	5 ÷ 40	2	2	DCA12/4309KS3GD	DCA12/43C9KS3GD	DCA12/4329KS3GD
I-7	•	7	36	15	8	66	C8B - C10	M12 x 1	5 ÷ 40	1,5	4	DCA12/5309KS3GD	DCA12/53C9KS3GD	DCA12/5329KS3GD
I-12	•	-	50	19	8	77	C8B - C10	M18 x 1	5 ÷ 60	1	5	DCA18/4309KS3GD	DCA18/43C9KS3GD	DCA18/4329KS3GD
I-12	•	10	50	19	8	87	C8B - C10	M18 x 1	5 ÷ 60	1	8	DCA18/5309KS3GD	DCA18/53C9KS3GD	DCA18/5329KS3GD
I-2	•	-	65	17	8	90	C8B - C10	M30x1,5	7 ÷ 60	0,8	10	DCA30/4309KS3GD	DCA30/43C9KS3GD	DCA30/4329KS3GD
I-2	•	15	50	17	8	90	C8B - C10	M30x1,5	7 ÷ 60	0,4	15	DCA30/5309KS3GD	DCA30/53C9KS3GD	DCA30/5329KS3GD
												NPN (negative switching)		
												Use the above mentioned part number changing the last number 9 with 8 (ie DCA8/4308KS3GD)		