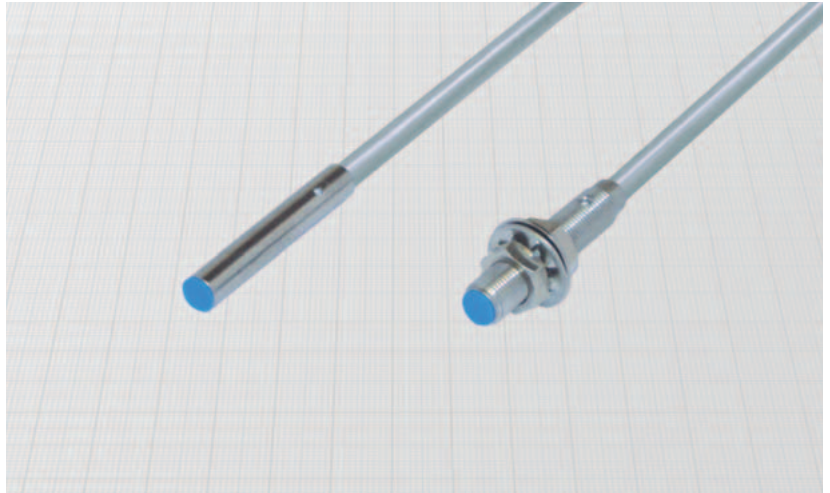
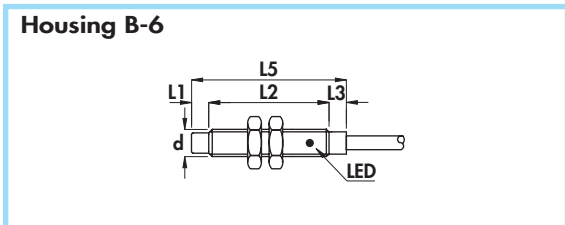
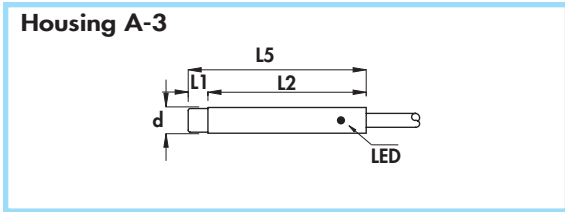


Diameters 4 - 5 mm •
 Amplified in d.c. 3 wires •
 Cable output •



Diameter	M5 x 0,5	
Nut	Size	SW7
	Thickness mm	2,5
Max tightening torque Nm	2	

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: stainless steel
- Sensing face: plastic

Technical data:

- Supply voltage (U_B): 7 ÷ 30 Vdc
- Max ripple: 10%
- No-load supply current (I_0): ≤ 10 mA
- Voltage drop (U_d): ≤ 1,5 V
- Temperature range: -25° ÷ +70°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
- Cable conductor cross section: 0,15 mm²
- Protected against short-circuit and overload (versions with letter K)
- 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	L5	Cable diameter	Body diameter (d)	Max switching frequency (f)	Rated operational current (I_e)	Nominal sensing distance (S_n) ± 10%	ORDERING REFERENCES	
											PNP (positive switching)	
A - 3	•	-	25	-	25	3	4	5	200	0,8		
A - 3	•	3	22	-	25	3	4	5	200	1,4		
A - 3	•	-	30	-	30	3	4	5	200	1		
A - 3	•	3	27	-	30	3	4	5	200	1,4		
B - 6	•	-	20	5	25	3	M5 x 0,5	5	200	0,8		
B - 6	•	3	17	5	25	3	M5 x 0,5	5	200	1,4		
B - 6	•	-	25	5	30	3	M5 x 0,5	5	200	1		
B - 6	•	3	22	5	30	3	M5 x 0,5	5	200	1,4		

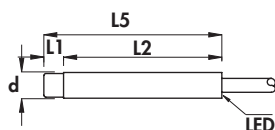
NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. DCA4/4608LS)

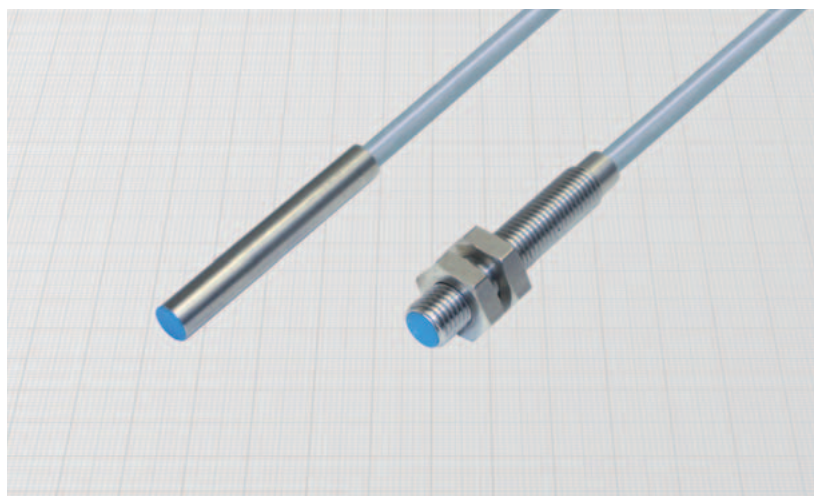
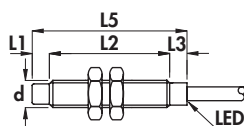
CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- Diameters 6,5 - 8 mm
- Amplified in d.c. 3 and 4 wires
- Cable output

Housing A-3



Housing B-6



Diameter	M8 x 1	
Nut	Size	SW13
	Thickness mm	4
Max tightening torque Nm	10	

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: stainless steel
- Sensing face: plastic

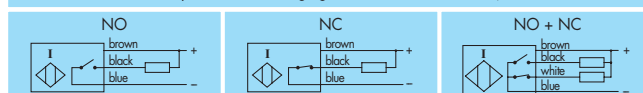
Technical data:

- Supply voltage (U_B): 7 ÷ 30 Vdc
 - Max ripple: 10%
 - No-load supply current (I_0): ≤ 10 mA
 - Voltage drop (U_d): ≤ 1,5 V
 - Temperature range: - 25° ÷ + 70°C
 - Max thermal drift of sensing distance S_s : ± 10%
 - Repeat accuracy (R): 2%
 - Switching hysteresis (H): 10%
 - Degree of protection: IP67
 - Switch status indicator: yellow LED
 - Cable conductor cross section: 0,15 mm² on 4 wires versions
0,22 mm² on 3 wires versions
- 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	L5	Cable diameter	Body diameter (d)	Max switching frequency (f)	No-load supply current (I_0)	Nominal sensing distance (S_n) ±10%	ORDERING REFERENCES		
											mm	mm	mm
A-3	•	-	45	-	45	3,5	6,5	4	200	1,5			
A-3	•	5	40	-	45	3,5	6,5	3	200	2,5	DCA6,5/4609LKS DCA6,5/5609LKS	DCA6,5/4619LKS DCA6,5/5619LKS	DCA6,5/4629LKS DCA6,5/5629LKS
A-3	•	-	45	-	45	3,5	8	4	200	1,5			
B-6	•	-	40	5	45	3,5	M8 x 1	4	200	1,5	DCA8/4609LKS DCA8/4609KS	DCA8/4619LKS DCA8/4619KS	DCA8/4629LKS DCA8/4629KS
A-3	•	5	40	-	45	3,5	8	3	200	2,5	DCA8/5609LKS DCA8/5609KS	DCA8/5619LKS DCA8/5619KS	DCA8/5629LKS DCA8/5629KS
B-6	•	5	35	5	45	3,5	M8 x 1	3	200	2,5	DCA8/5609LKS DCA8/5609KS	DCA8/5619LKS DCA8/5619KS	DCA8/5629LKS DCA8/5629KS

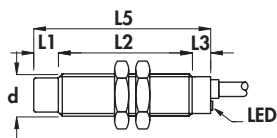
NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. DCA6,5/4608LKS)

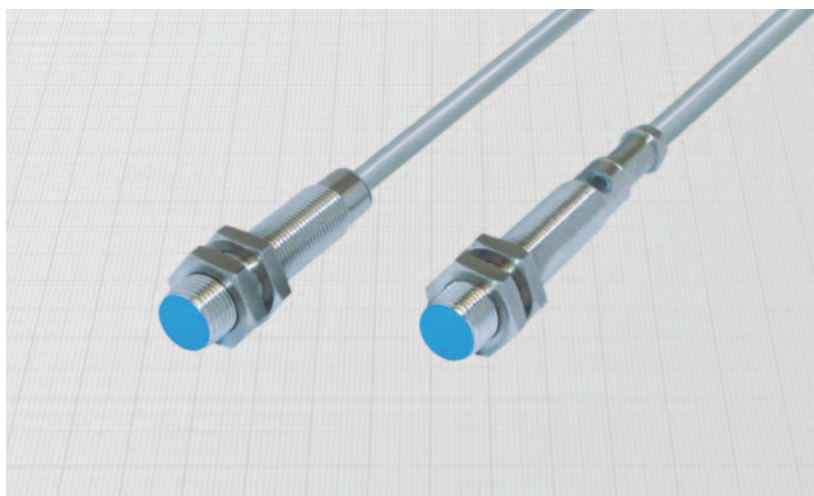
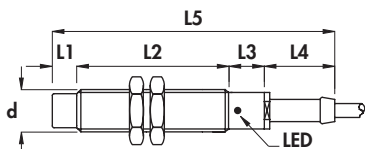


Diameters 12 mm •
Amplified in d.c. 3 and 4 wires •
Cable output •

Housing B-3



Housing D



Diameter		M12 x 1	M14 x 1	M16 x 1
Nut	Size	SW17	SW17	SW22
	Thickness mm	4	4	4
Max tightening torque Nm		15	20	25

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: nickel plated brass
- Sensing face: plastic

Technical data:

- Supply voltage (U_B): 5 ÷ 40 Vdc
 - Max ripple: 10%
 - No-load supply current (I_0): ≤ 10 mA
 - Voltage drop (U_d): ≤ 1,5 V
 - Temperature range: -25° ÷ +75°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
 - Cable conductor cross section: 0,35 mm² on 3 wires
0,25 mm² on 4 wires
- 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	Cable diameter	Body diameter (d)	Max switching frequency (f)	Rated operational current (I _e)	Nominal sensing distance (S _n) ± 10%	ORDERING REFERENCES		
												PNP (positive switching)		
												NO	NC	NO + NC
												mm	mm	mm
B-3	•	-	43	7	-	50	4	M12 x 1	2	200	2	DCA12/4609KS	DCA12/4619KS	DCA12/4629KS
D	•	-	50	10	20	80	4	M12 x 1	2	200	2	DCA12/4709KS	DCA12/4719KS	DCA12/4729KS
B-3	•	7	36	7	-	50	4	M12 x 1	1,5	200	4	DCA12/5609KS	DCA12/5619KS	DCA12/5629KS
D	•	7	43	10	20	80	4	M12 x 1	1,5	200	4	DCA12/5709KS	DCA12/5719KS	DCA12/5729KS

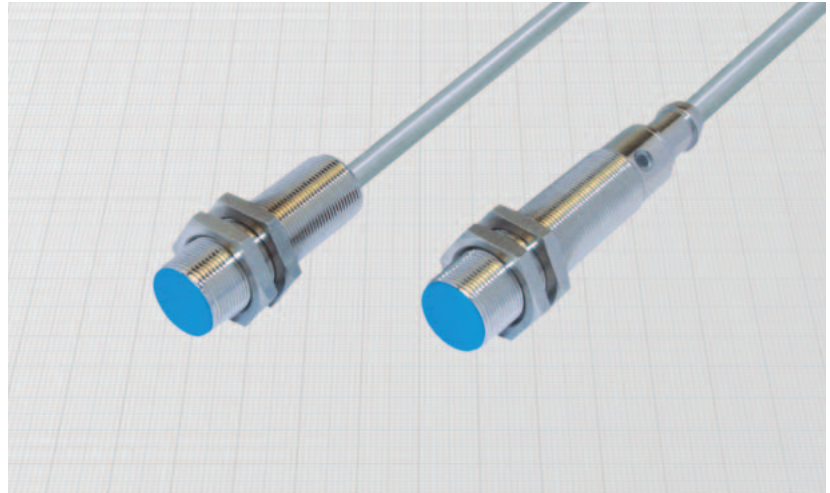
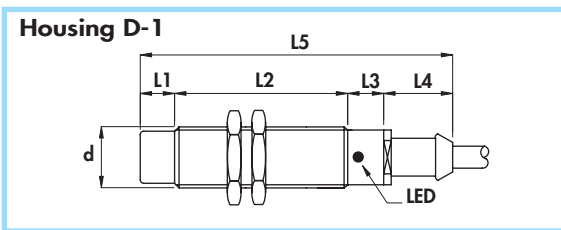
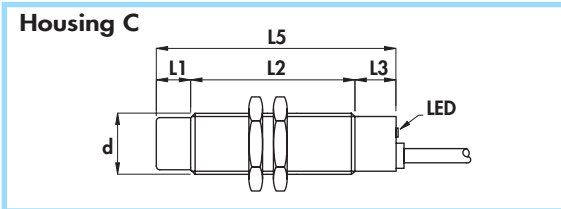
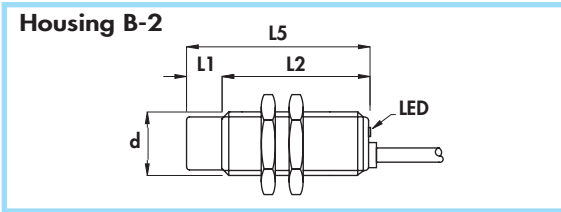
NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie DCA12/4608KS)

												NO	NC	NO + NC
												mm	mm	mm

CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- Diameters 18 mm
- Amplified in d.c. 3 and 4 wires
- Cable output



Diameter	M18 x 1	
Nut	Size	SW24
	Thickness mm	4
Max tightening torque Nm	35	

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: nickel plated brass
- Sensing face: plastic

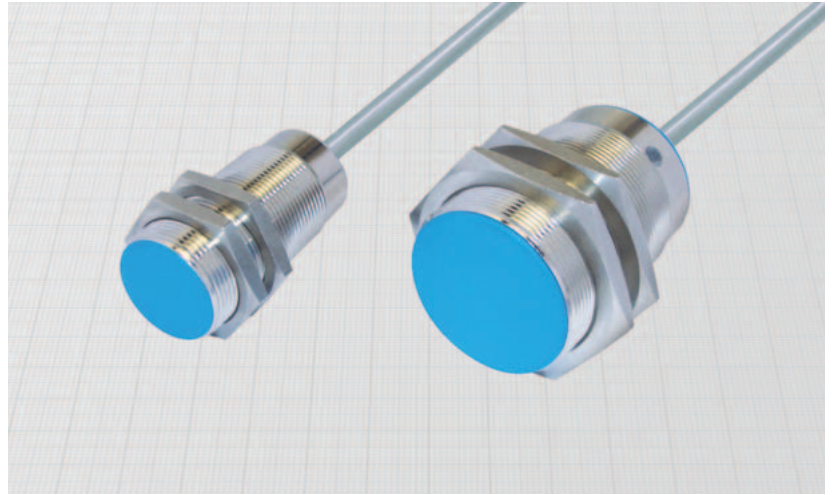
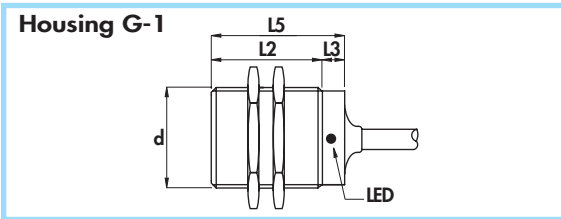
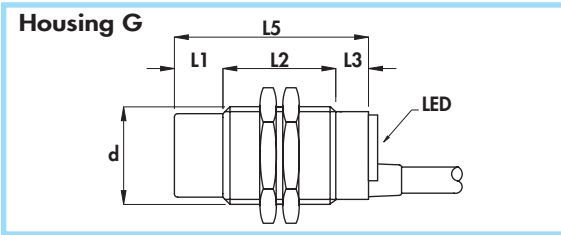
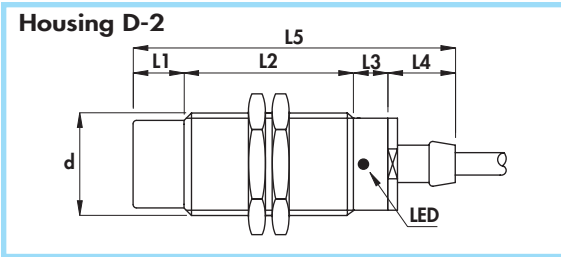
Technical data:

- Supply voltage (U_B): 5 ÷ 60 V
- Max ripple: 10%
- No-load supply current (I_0): ≤ 10 mA
- Voltage drop (U_d): ≤ 2,2 V
- Temperature range: - 25° ÷ + 75°C
- Max thermal drift of sensing distance S_s : ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,50 mm²
- 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	Cable diameter	Body diameter (d)	Max switching frequency (f)	No-load supply current (I ₀)	Nominal sensing distance (S _n) ± 10%	ORDERING REFERENCES		
												PNP (positive switching)		
												NO	NC	NO + NC
												brown black blue	brown black blue	brown black white blue
												mm	mm	mm
B-2	•	-	50	-	-	50	5	M18 x 1	1	400	5	DCA18/4A09KS	DCA18/4A19KS	DCA18/4A29KS
B-2	•	10	40	-	-	50	5	M18 x 1	1	400	8	DCA18/5A09KS	DCA18/5A19KS	DCA18/5A29KS
C	•	-	58	12	-	70	5	M18 x 1	1	400	5	DCA18/4609KS	DCA18/4619KS	DCA18/4629KS
D-1	•	-	60	12	20	92	6	M18 x 1	1	400	5	DCA18/4709KS	DCA18/4719KS	DCA18/4729KS
C	•	10	48	12	-	70	5	M18 x 1	1	400	8	DCA18/5609KS	DCA18/5619KS	DCA18/5629KS
D-1	•	10	50	12	20	92	6	M18 x 1	1	400	8	DCA18/5709KS	DCA18/5719KS	DCA18/5729KS
												NPN (negative switching)		
												Use the above mentioned part number changing the last number 9 with 8 (ie DCA18/4A08KS)		
												NO	NC	NO + NC
												brown black blue	brown black blue	brown black white blue
												mm	mm	mm

CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- Diameters 30 - 45 mm •
- Amplified in d.c. 3 and 4 wires •
- Cable output •



Diameter	M30 x 1,5	M45 x 1,5
Nut	Size	SW36
	Thickness mm	5
Max tightening torque Nm	80	70

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: nickel plated brass
- Sensing face: plastic

Technical data:

- Supply voltage (U_B): 7 ÷ 60 Vdc
- Max ripple: 10%
- No-load supply current (I_0): ≤ 10 mA
- Voltage drop (U_d): ≤ 2,2 V
- Temperature range: -25° ÷ +75°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
- Cable conductor cross section: 0,50 mm²
- 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	Cable diameter	Body diameter (d)	Max switching frequency (f)	No-load supply current (I ₀)	Nominal sensing distance (S _n) ± 10%	ORDERING REFERENCES		
												mm	mm	mm
D-2	•	-	50	10	-	60	6	M30 x 1,5	0,8	400	10			
	•	-	65	10	20	95	6	M30 x 1,5	0,8	400	10			
D-2	•	15	35	10	-	60	6	M30 x 1,5	0,4	400	15			
	•	15	50	10	20	95	6	M30 x 1,5	0,4	400	15			
G-1	•	-	50	10	-	60	6	M45 x 1,5	0,15	400	20			

NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie DCA30/4608KS)

