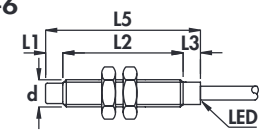
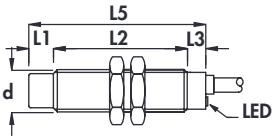
Extended sensing distance - diameters 8 - 12 mm •
Amplified in d.c. 3 wires •
Cable output •

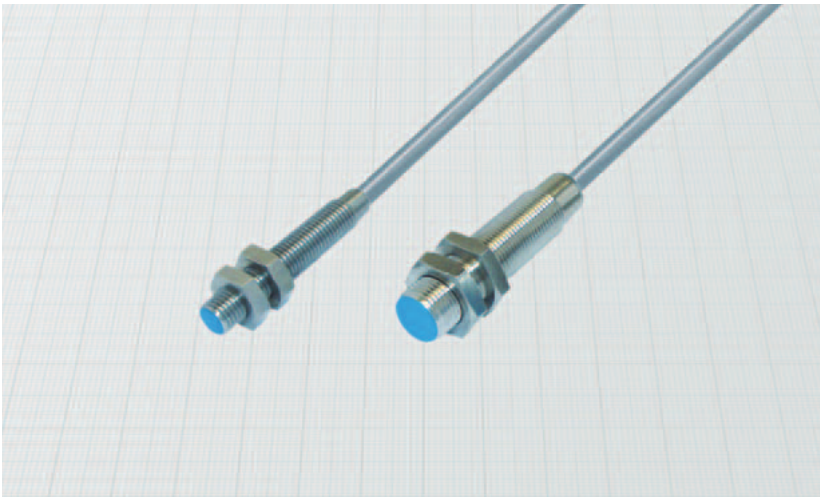
Housing B-6



Housing B-3



Diameter		M8 x 1	M12 x 1
Nut	Size	SW13	SW17
	Thkns mm	4	4
Max tightening torque Nm		10	15



Materials:

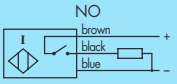
- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing 8 mm: stainless steel
- Housing 12 mm: nickel plated brass
- Sensing face: plastic

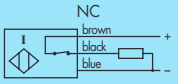
Technical data:

- Supply voltage (U_B): see ordering references
- Max ripple: 10%
- No-load supply current (I_o): ≤ 10 mA
- Voltage drop (U_d): ≤ 1,5 V
- Temperature range: - 20° ÷ + 70°C
- Max thermal drift of sensing distance S_r: ± 10%
- Repeat accuracy (R): 4%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section: 0,22 mm² on 8 mm
  0,35 mm² on 12 mm

- Protected against short-circuit and overload
- Protected against any wrong connection
- Suppression of initial false impulse
- Electromagnetic compatibility (EMC) according to EN60947-5-2 CE
- 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)	Supplu voltage (U_B)	Max switching frequency (f)	Rated operational current (I_e)	Nominal sensing distance (S_n) ± 10%	ORDERING REFERENCES PNP (positive switching) NO	ORDERING REFERENCES PNP (positive switching) NC
		mm	mm	mm	mm	mm	mm	mm	V (min - max)	Hz	mA	mm		
B - 6	•	-	40	5	-	45	3,5	M8 x 1	7÷30	800	200	2	**DCAE8/4609KS**	**DCAE8/4619KS**
B - 6	•	-	40	5	-	45	3,5	M8 x 1	7÷30	800	200	2,5	**DCE8/4609KS**	**DCE8/4619KS**
B - 6	•	5	35	5	-	45	3,5	M8 x 1	7÷30	400	200	3	**DCAE8/5609KS**	**DCAE8/5619KS**
B - 6	•	5	35	5	-	45	3,5	M8 x 1	7÷30	400	200	3,5	**DCE8/5609KS**	**DCE8/5619KS**
B - 3	•	-	43	7	-	50	4	M12 x 1	7÷40	800	200	3	**DCAE12/4609KS**	**DCAE12/4619KS**
B - 3	•	-	43	7	-	50	4	M12 x 1	7÷40	800	200	4	**DCE12/4609KS**	**DCE12/4619KS**
B - 3	•	7	36	7	-	50	4	M12 x 1	7÷40	600	200	5	**DCAE12/5609KS**	**DCAE12/5619KS**
B - 3	•	7	36	7	-	50	4	M12 x 1	7÷40	600	200	6	**DCE12/5609KS**	**DCE12/5619KS**

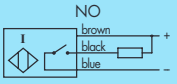


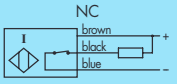


(*) Note: See mounting precautions (pag. 22)

NPN (negative switching)

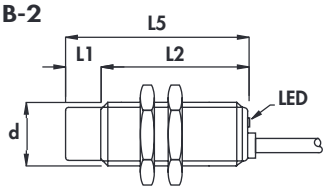
Use the above mentioned part number changing the last number 9 with 8 (ie. DCE8/4608KS)



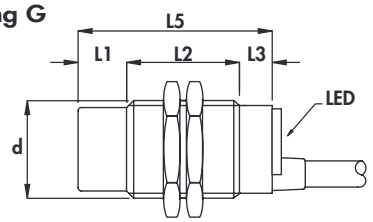


- **Extended sensing distance - diameters 18 - 30 mm**
- **Amplified in d.c. 3 wires**
- Cable output

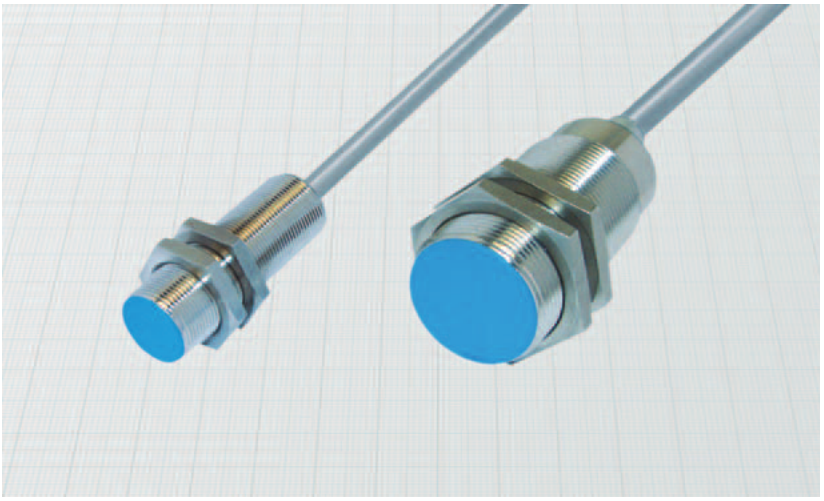
Housing B-2



Housing G



Diameter		M18 x 1	M30 x 1,5
Nut	Size	SW24	SW36
	Thkns mm	4	5
Max tightening torque Nm		35	80



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): see ordering references
- Max ripple: 10%
- No-load supply current (I_o): ≤ 10 mA
- Voltage drop (U_d): ≤ 1,5 V
- Temperature range: - 20° ÷ + 70°C
- Max thermal drift of sensing distance S_r: ± 10%
- Repeat accuracy (R): 4%
- 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 CE
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

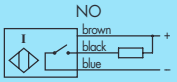
Housing	Flush mounting (*) Non flush mounting	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Supply voltage (U_B)	Max switching frequency (f)	Rated operational current (I_e)	Nominal sensing distance (S_n) ± 10%	ORDERING REFERENCES PNP (positive switching) NO	ORDERING REFERENCES PNP (positive switching) NC
		mm	mm	mm	mm	mm	mm	mm	V (min - max)	Hz	mA	mm		
B - 2	•	-	50	-	-	50	5	M18 x 1	7÷40	300	200	8	**DCAE18/4A09KS**	**DCAE18/4A19KS**
B - 2	•	-	50	-	-	50	5	M18 x 1	7÷40	300	200	10	**DCE18/4A09KS**	**DCE18/4A19KS**
B - 2	•	10	40	-	-	50	5	M18 x 1	7÷40	200	200	12	**DCAE18/5A09KS**	**DCAE18/5A19KS**
B - 2	•	10	40	-	-	50	5	M18 x 1	7÷40	200	200	14	**DCE18/5A09KS**	**DCE18/5A19KS**
G	•	-	50	10	-	60	6	M30 x 1,5	7÷40	100	200	15	**DCAE30/4609KS**	**DCAE30/4619KS**
G	•	-	50	10	-	60	6	M30 x 1,5	7÷40	100	200	20	**DCE30/4609KS**	**DCE30/4619KS**
G	•	15	35	10	-	60	6	M30 x 1,5	7÷40	100	200	20	**DCAE30/5609KS**	**DCAE30/5619KS**
G	•	15	35	10	-	60	6	M30 x 1,5	7÷40	100	200	28	**DCE30/5609KS**	**DCE30/5619KS**

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

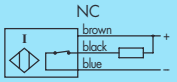
NPN (negative switching)

Use the above mentioned part number changing the last number 9 with 8 (ie. DCE8/4608KS)

NO



NC



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