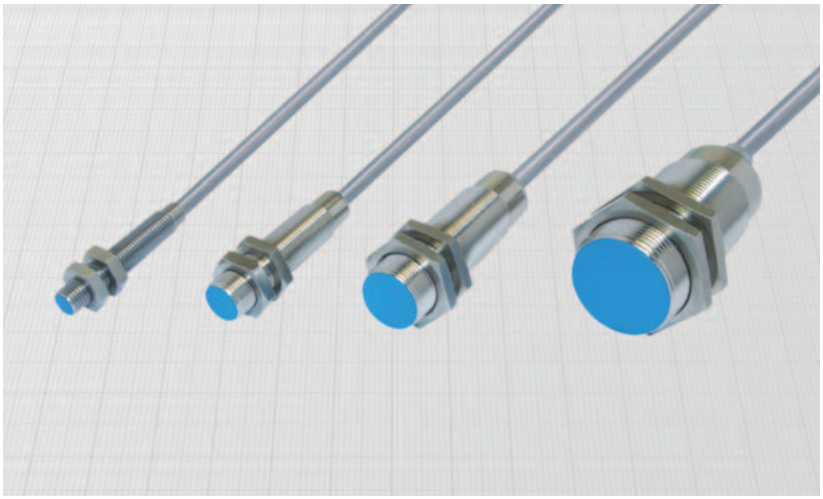
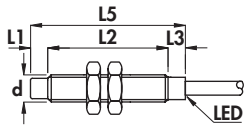
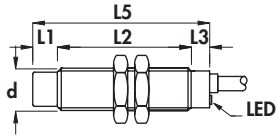
Non polarized •
Amplified in d.c. 2 wires •
Cable output •



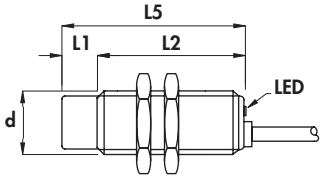
Housing B-6



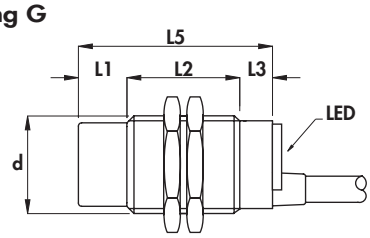
Housing B-3



Housing B-2



Housing G



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

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing 8 mm: stainless steel
- Housing 12-18-30 mm: nickel plated brass
- Sensing face: plastic PBT

General Features:

These sensors are not polarized and the load can be connected on both positive and negative lead (function PNP or NPN).
So they can replace traditional mechanical microswitches in many applications.

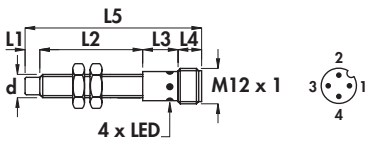
Technical data:

- Supply voltage (U_B): 10 ÷ 55 Vdc
- Max ripple: 10%
- Off-state current (I_r): ≤ 1 mA
- Minimum operational current (I_m): 5 mA
- Voltage drop (U_d) with I_e = 10 mA: ≤ 5 V
- Voltage drop (U_d) with I_e = 100 mA: ≤ 6 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: 0,34 mm² on 8 and 12 mm
  0,50 mm² on 18 mm
  0,75 mm² on 30 mm
- Protected against short-circuit and overload (versions with letter K)
- 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

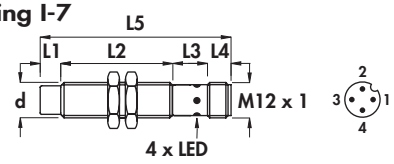
Housing	Flush mounting	Non flush mounting	L1	L2	L3	L4	L5	Cable diameter	Body diameter (d)	Nominal sensing distance (S_n) ± 10%	Max switching frequency (f)	Rated operational current (I_e)	ORDERING REFERENCES NO	ORDERING REFERENCES NC
			mm	mm	mm	mm	mm	mm	mm	mm	Hz	mA		
B - 6	•		-	40	5	-	45	4	M8 x 1	1,5	1200	100	**DCM8/4600S**	**DCM8/4610S**
B - 6		•	5	35	5	-	45	4	M8 x 1	2,5	1000	100	**DCM8/5600S**	**DCM8/5610S**
B - 3	•		-	43	7	-	50	4	M12 x 1	2	1200	200	**DCM12/4600KS**	**DCM12/4610KS**
B - 3		•	7	36	7	-	50	4	M12 x 1	4	1000	200	**DCM12/5600KS**	**DCM12/5610KS**
B - 2	•		-	50	-	-	50	5	M18 x 1	5	1100	250	**DCM18/4A00KS**	**DCM18/4A10KS**
B - 2		•	10	40	-	-	50	5	M18 x 1	8	700	250	**DCM18/5A00KS**	**DCM18/5A10KS**
G	•		-	50	10	-	60	6	M30 x 1,5	10	800	250	**DCM30/4600KS**	**DCM30/4610KS**
G		•	15	35	10	-	60	6	M30 x 1,5	15	400	250	**DCM30/5600KS**	**DCM30/5610KS**

- **Non polarized**
- **Amplified in d.c. 2 wires**
- Connector output

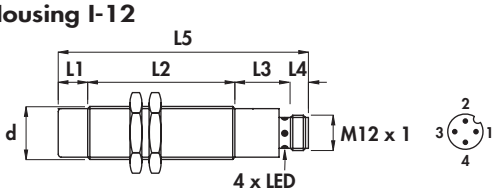
Housing I-11



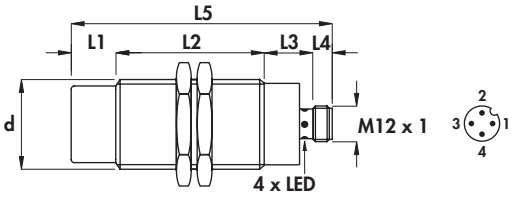
Housing I-7



Housing I-12



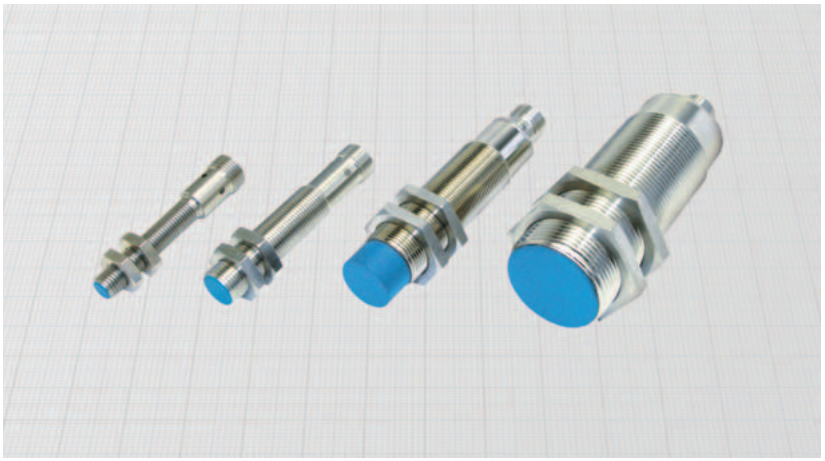
Housing I-2



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

Materials:

- Housing 8 mm: stainless steel
- Housing 12- 18 - 30 mm: nickel plated brass
- Sensing face: plastic PBT



General Features:

These sensors are not polarized and the load can be connected on both positive and negative sectors (function PNP or NPN).
So they can replace traditional mechanical microswitches in many applications. Utilization of connectors without LED is recommended.

Technical data:

- Supply voltage (U_B): 10 ÷ 55 Vdc
- Max ripple: 10%
- Off-state current (I_r): ≤ 1 mA
- Minimum operational current (I_m): 5 mA
- Voltage drop (U_d) with I_e = 10 mA: ≤ 5 V
- Voltage drop (U_d) with I_e = 100 mA: ≤ 6 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
- Protected against short-circuit and overload (versions with letter K)
- 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	Female connector	Body diameter (d)	Nominal sensing distance (S_n) ±10%	Max switching frequency (f) in d.c.	Rated operational current (I_e)	ORDERING REFERENCES NO (connectors 3 or 4 wires)	ORDERING REFERENCES NC (connectors 4 wires)
			mm	mm	mm	mm	mm	n°	mm	mm	Hz	mA		
I-11	•		-	40	12	8	60	6-8B-10	M8 x 1	1,5	1200	100	**DCM8/4300S**	**DCM8/4310S**
I-11		•	5	35	12	8	60	6-8B-10	M8 x 1	2,5	1000	100	**DCM8/5300S**	**DCM8/5310S**
I-7	•		-	43	15	8	66	6-8B-10	M12 x 1	2	1200	200	**DCM12/4300KS**	**DCM12/4310KS**
I-7		•	7	36	15	8	66	6-8B-10	M12 x 1	4	1000	200	**DCM12/5300KS**	**DCM12/5310KS**
I-12	•		-	50	19	8	77	6-8B-10	M18 x 1	5	1100	250	**DCM18/4300KS**	**DCM18/4310KS**
I-12		•	10	50	19	8	87	6-8B-10	M18 x 1	8	700	250	**DCM18/5300KS**	**DCM18/5310KS**
I-2	•		-	65	17	8	90	6-8B-10	M30 x 1,5	10	800	250	**DCM30/4300KS**	**DCM30/4310KS**
I-2		•	15	50	17	8	90	6-8B-10	M30 x 1,5	15	400	250	**DCM30/5300KS**	**DCM30/5310KS**

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