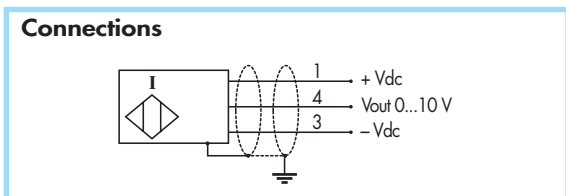
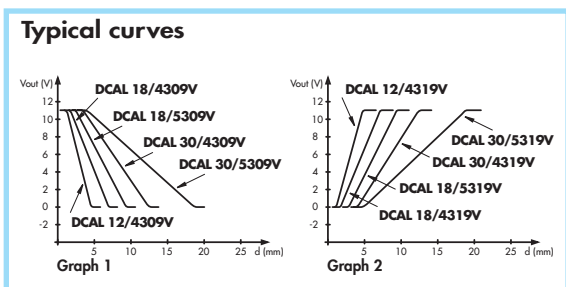
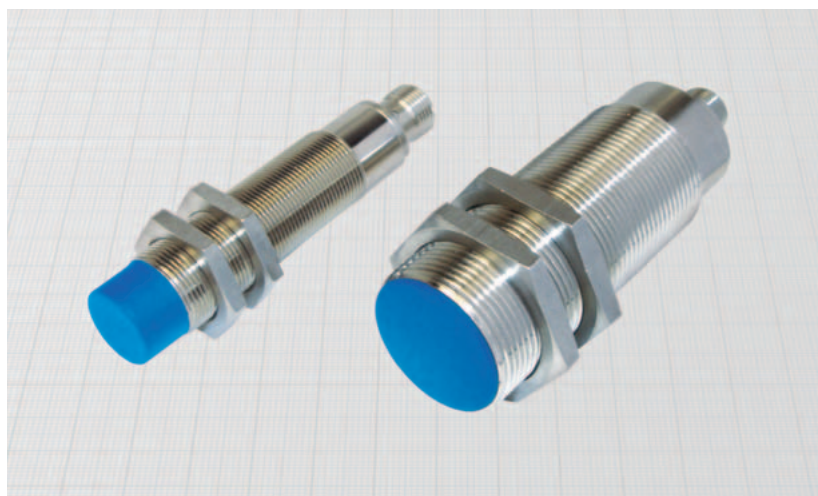
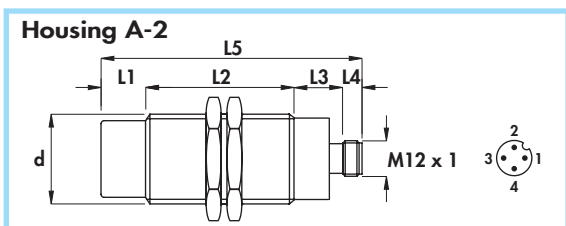
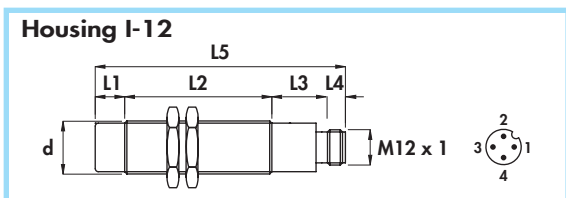
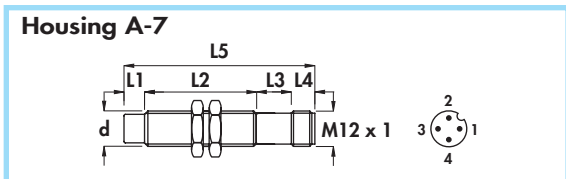


CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- Analog with linear voltage output

- Connector output M12 x 1



Diámetro	M12 x 1	M18 x 1	M30 x 1,5
Nut	Size	SW17	SW24
	Thickness mm	4	4
Max tightening torque Nm	15	35	80

Materials:

- Housing: nickel plated brass
- Sensing face: plastic

General Features:

These inductive proximity sensors provide an output voltage $0 \div 10V$ directly or reversely proportional to the distance between the sensing face and the metal target. The output voltage is also dependent by the material of the target, so they can be used not only to detect distances, displacements, vibrations and wavings but also to recognize the composition of metals and alloys.

It is recommended the use of connectors without LED.

For applications subjected to high levels of electromagnetic interferences, it is recommended the use of the straight connector with shielded cable type C10/00...VS which offers a 360° shielding.

Technical data:

- Supply voltage: $15 \div 40 Vdc$
- Max ripple: 20%
- Output current range: $0 \div 10 V$
- Temperature range: $-10^{\circ} \div +70^{\circ}C$
- Max thermal drift: $< 10\%$
- Degree of protection: IP67
- Electromagnetic compatibility (EMC) according to EN61000-6-2/-4
- 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)	Max switching frequency (f)	Repeat accuracy	Maximum linearity error	No-load supply current	Measure range	ORDERING REFERENCES	
														INVERSELY PROPORTIONAL Graph 1	DIRECTLY PROPORTIONAL Graph 2
														mm	mm
A-7	•	-	43	15	8	66	6-8B-10	M12 x 1	250	0,5	5	4	1 ÷ 4	DCAL12/4309V	DCAL12/4319V
I-12	•	-	50	14	10	74	6-8B-10	M18 x 1	250	0,5	3	4	2 ÷ 7	DCAL18/4309V	DCAL18/4319V
I-12	•	10	50	14	10	84	6-8B-10	M18 x 1	250	0,5	3	4	3 ÷ 9	DCAL18/5309V	DCAL18/5319V
A-2	•	-	65	15	8	88	6-8B-10	M30 x 1,5	250	0,5	5	4	4 ÷ 12	DCAL30/4309V	DCAL30/4319V
A-2	•	15	50	15	8	88	6-8B-10	M30 x 1,5	250	0,5	5	4	5 ÷ 18	DCAL30/5309V	DCAL30/5319V