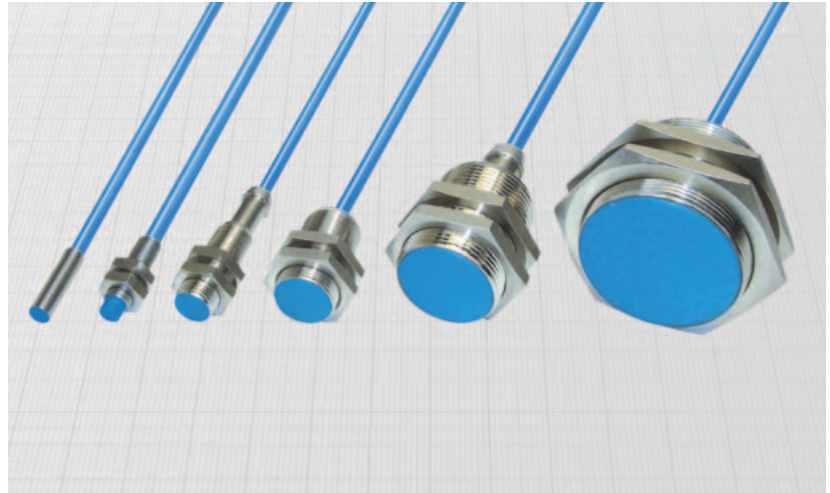
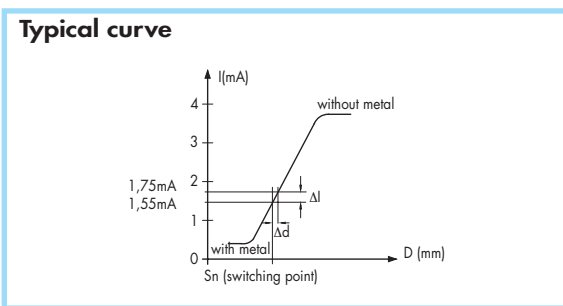
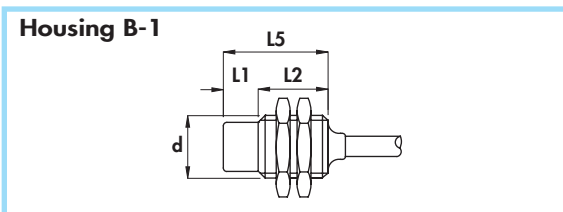
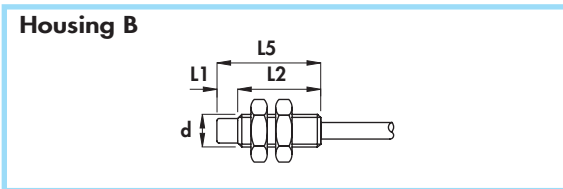
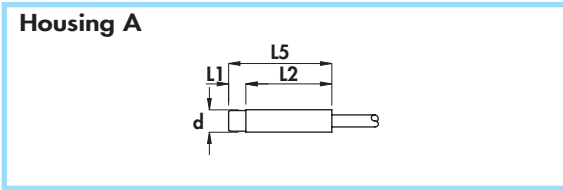


# CYLINDRICAL INDUCTIVE SENSORS IN METAL HOUSING

- **NAMUR SERIES** - for high temperatures (-25° ÷ +110°C)
- **Non amplified in d.c. 2 wires**
- Cable output



| Diameter                 |              | M8 x 1 | M12 x 1 | M18 x 1 | M30 x 1,5 | M45 x 1,5 |
|--------------------------|--------------|--------|---------|---------|-----------|-----------|
| Nut                      | Size         | SW13   | SW17    | SW24    | SW36      | SW55      |
|                          | Thickness mm | 4      | 4       | 4       | 5         | 5         |
| Max tightening torque Nm |              | 10     | 15      | 35      | 80        | 70        |

**Materials:**

- Cable: 2 m thermoplastic 140°C; 300 V; O.R.
- Housing 6,5 - 8 mm: stainless steel
- Housing 12 ÷ 45 mm: nickel plated brass
- Sensing face: plastic

**Technical data:**

- Working voltage: 5 ÷ 30 Vdc
- Supply voltage according to NAMUR: 7,7 ÷ 9 Vdc
- Max ripple: 10%
- Consumption at 8,2 V with Rx = 1000 Ω
  - with metal: ≤ 1 mA
  - without metal: ≥ 3 mA
- Temperature range: -25° ÷ +110°C
- Max thermal drift of sensing distance S<sub>n</sub>: ± 10%
- Repeat accuracy (R): 2%
- Degree of protection: IP67
- Cable conductor cross section:
  - 0,35 mm<sup>2</sup> on 6,5 ÷ 12 mm
  - 0,50 mm<sup>2</sup> on 18 ÷ 45 mm
- According to EN60947-5-6
- Electromagnetic compatibility (EMC) according to EN60947-5-2
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6
- For certified ATEX version see ATEX Catalogue

| Housing | Flush mounting<br>Non flush mounting | L1 | L2 | L3 | L4 | L5 | Cable diameter | Body diameter (d) | Max switching frequency (f) | Nominal sensing distance (S <sub>n</sub> ) ± 10% | ORDERING REFERENCES |
|---------|--------------------------------------|----|----|----|----|----|----------------|-------------------|-----------------------------|--|---------------------|
|         |                                      | mm | mm | mm | mm | mm |                |                   |                             |  |                     |
| A       | •                                    | -  | 25 | -  | -  | 25 | 4              | 6,5               | 5                           | 1,5  | <b>DC6,5/4600LT</b> |
| B       | •                                    | -  | 25 | -  | -  | 25 | 4              | M8 x 1            | 5                           | 1,5  | <b>DC8/4600T</b>    |
| B       | •                                    | -  | 30 | -  | -  | 30 | 4              | M12 x 1           | 5                           | 2  | <b>DC12/4600T</b>   |
| B-1     | •                                    | -  | 30 | -  | -  | 30 | 5              | M18 x 1           | 1                           | 5  | <b>DC18/4600T</b>   |
| B-1     | •                                    | -  | 35 | -  | -  | 35 | 6              | M30 x 1,5         | 0,3                         | 10   | <b>DC30/4600T</b>   |
| B-1     | •                                    | -  | 35 | -  | -  | 35 | 6              | M45 x 1,5         | 0,3                         | 20   | <b>DC45/4600T</b>   |

