

Item description/product images



Description

Material:

Housing stainless steel or nickel-plated brass.
Active face PBT or PA 12.

Version:

Voltage: $U = 10 - 30 \text{ V DC}$
Function: Normally open
Switch type: PNP
Mounting type: flush
Security type: IP 67

Note:

Non-contact, wear-free operation. High switching frequency and switch accuracy. Non-sensitive to vibration, dust and moisture. Inductive sensors register all metals without contact.

Short-circuit and reverse-polarity proof.

Temperature range:

$-25 \text{ }^\circ\text{C}$ to $+70 \text{ }^\circ\text{C}$

Safety:

This product is not suited as a sensor for the personal protection.

Drawing reference:

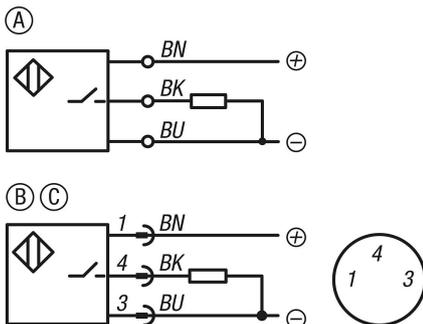
1) LED-indicator

P = cable length

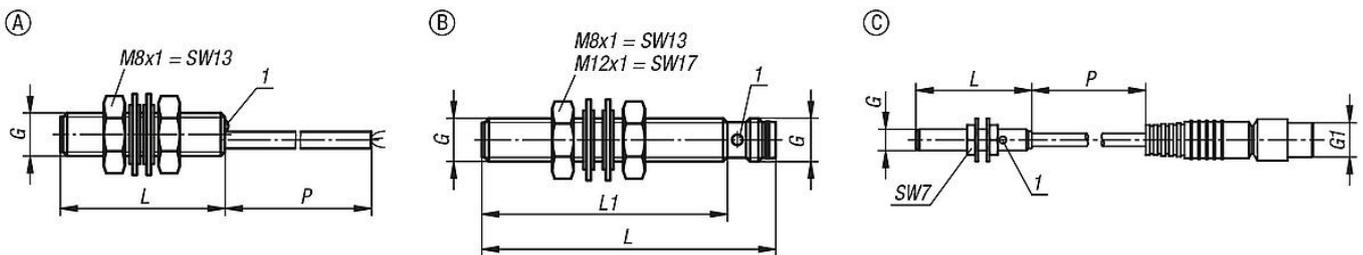
BN = brown

BK = black

BU = blue



Drawings



Overview of items

| Order No. | Main material | Form | G | L | L1 | P | Material active surface | Switching distance Sn (mm) | Current I max. (mA) | Switching frequency f (Hz) | Connection type | No. of conductors x conductor cross-section |
|-------------------|-----------------|------|-------|----|------|------|-------------------------|----------------------------|---------------------|----------------------------|-----------------|---|
| 83000-10-010X5000 | stainless steel | A | M8x1 | 30 | - | 5000 | PBT | 1,5 | 200 | 3000 | PUR cable | 3 x 0,14 mm ² |
| 83000-10-020 | stainless steel | B | M8x1 | 45 | 34,5 | - | PBT | 2 | 200 | 1500 | connector 3-pin | - |
| 83000-10-030 | stainless steel | B | M8x1 | 55 | 44,5 | - | PBT | 2 | 200 | 1500 | connector 3-pin | - |
| 83000-10-040 | brass | B | M8x1 | 59 | 50 | - | PA 12 | 1,5 | 200 | 1000 | connector 3-pin | - |
| 83000-10-050 | brass | B | M8x1 | 59 | 50 | - | PA 12 | 2 | 200 | 700 | connector 3-pin | - |
| 83000-10-060 | brass | B | M12x1 | 65 | 50 | - | PA 12 | 2 | 200 | 1200 | connector 3-pin | - |
| 83000-10-070 | brass | B | M12x1 | 65 | 50 | - | PA 12 | 4 | 200 | 500 | connector 3-pin | - |

Overview of items

| Order No. | Main material | Form | G | L | L1 | P | Material active surface | Switching distance Sn (mm) | Current I max. (mA) | Switching frequency f (Hz) | Connection type | No. of conductors x conductor cross-section |
|------------------|-----------------|------|--------|----|----|-----|-------------------------|----------------------------|---------------------|----------------------------|-----------------|---|
| 83000-10-080X300 | stainless steel | C | M5X0,5 | 27 | - | 300 | PBT | 0,8 | 100 | 5000 | connector 3-pin | - |