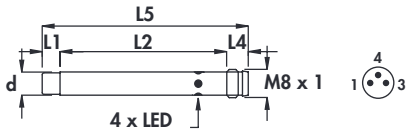
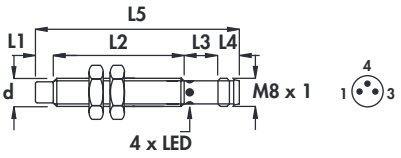
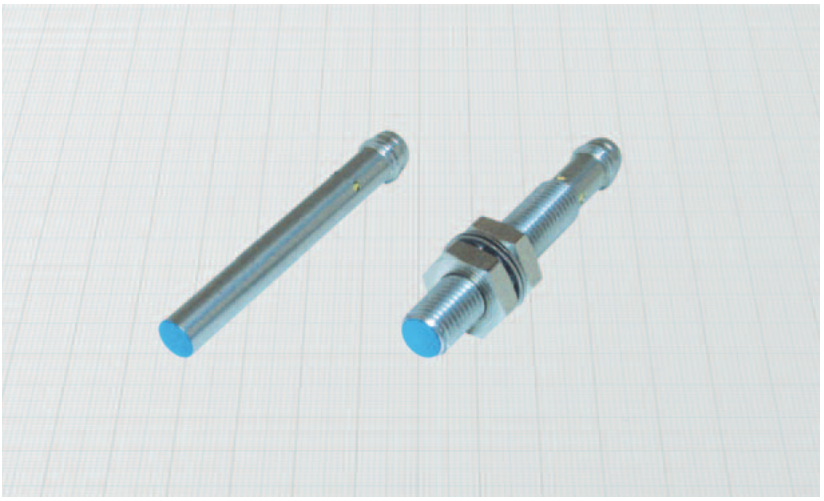
# Extended sensing distance •
# Amplified in d.c. •
# Connector output M8 x 1 •

### Housing I-5




### Housing I-10



| | | |
|---|---|---|
| Diameter | | M8 x 1 |
| Nut | Size | SW13 |
| | Thickness mm | 4 |
| Max tightening torque Nm | | 10 |

## Materials:

- Housing: stainless steel
- Sensing face: plastic

## Technical data:

- Supply voltage ($U_B$): 7 ÷ 30 Vdc
- 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
- 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 | Female connector | Body diameter (d) | 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 | n° | mm | Hz | mA | mm | | |
| I-5 | • | - | 48,5 | - | 5,5 | 54 | 11 - 12 | 6,5 | 800 | 200 | 2 | **DCAE6,5/4909LKS** | **DCAE6,5/4919LKS** |
| I-5 | • | - | 48,5 | - | 5,5 | 54 | 11 - 12 | 6,5 | 800 | 200 | 2,5 | **DCE6,5/4909LKS** | **DCE6,5/4919LKS** |
| I-5 | • | 5 | 43,5 | - | 5,5 | 54 | 11 - 12 | 6,5 | 400 | 200 | 3 | **DCAE6,5/5909LKS** | **DCAE6,5/5919LKS** |
| I-5 | • | 5 | 43,5 | - | 5,5 | 54 | 11 - 12 | 6,5 | 400 | 200 | 3,5 | **DCE6,5/5909LKS** | **DCE6,5/5919LKS** |
| I-10 | • | - | 40 | 8,5 | 5,5 | 54 | 11 - 12 | M8 x 1 | 800 | 200 | 2 | **DCAE8/4909KS** | **DCAE8/4919KS** |
| I-10 | • | - | 40 | 8,5 | 5,5 | 54 | 11 - 12 | M8 x 1 | 800 | 200 | 2,5 | **DCE8/4909KS** | **DCE8/4919KS** |
| I-10 | • | 5 | 35 | 8,5 | 5,5 | 54 | 11 - 12 | M8 x 1 | 400 | 200 | 3 | **DCAE8/5909KS** | **DCAE8/5919KS** |
| I-10 | • | 5 | 35 | 8,5 | 5,5 | 54 | 11 - 12 | M8 x 1 | 400 | 200 | 3,5 | **DCE8/5909KS** | **DCE8/5919KS** |

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

**NPN (negative switching)**

Use the above mentioned part number changing the last number 9 with 8 (ie. DCAE6,5/4908LKS)