## Selection guide

### Ø4 Standard and extended range, short housing

| Con-nec-tion | Rated operating distance Sn | Ordering no. NPN, Normally open | Ordering no. PNP, Normally open | Ordering no. NPN, Normally closed | Ordering no. PNP, Normally closed |
|---|---|---|---|---|---|
| Cable | 0.8 mm | **IBS04SF08A2NO** | **IBS04SF08A2PO** | **IBS04SF08A2NC** | **IBS04SF08A2PC** |
| Plug | 0.8 mm | **IBS04SF08M5NO** | **IBS04SF08M5PO** | **IBS04SF08M5NC** | **IBS04SF08M5PC** |
| Cable | 1.3 mm | **IBS04SF15A2NO** | **IBS04SF15A2PO** | **IBS04SF15A2NC** | **IBS04SF15A2PC** |
| Plug | 1.3 mm | **IBS04SF15M5NO** | **IBS04SF15M5PO** | **IBS04SF15M5NC** | **IBS04SF15M5PC** |

### M5 Standard and extended range, short housing

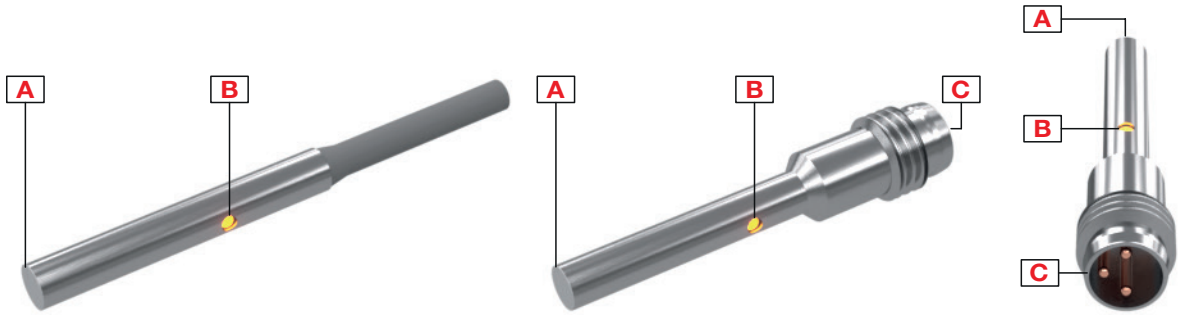
| Con-nec-tion | Rated operating distance Sn | Ordering no. NPN, Normally open | Ordering no. PNP, Normally open | Ordering no. NPN, Normally closed | Ordering no. PNP, Normally closed |
|---|---|---|---|---|---|
| Cable | 0.8 mm | **ICS05S23F08A2NO** | **ICS05S23F08A2PO** | **ICS05S23F08A2NC** | **ICS05S23F08A2PC** |
| Plug | 0.8 mm | **ICS05S23F08M5NO** | **ICS05S23F08M5PO** | **ICS05S23F08M5NC** | **ICS05S23F08M5PC** |
| Cable | 1.3 mm | **ICS05S23F15A2NO** | **ICS05S23F15A2PO** | **ICS05S23F15A2NC** | **ICS05S23F15A2PC** |
| Plug | 1.3 mm | **ICS05S23F15M5NO** | **ICS05S23F15M5PO** | **ICS05S23F15M5NC** | **ICS05S23F15M5PC** |

### IO-Link types

| Con-nec-tion | Body style | Rated operating distance Sn | Output type | Ordering no. |
|---|---|---|---|---|
| Cable | Ø4 | Configurable: 0.8 or 1.3mm **Factory setting: 1.3mm** | Configurable: NPN/PNP/push-pull NO/NC **Factory setting: PNP, NO** | **IBS04SF15A2IO** |
| Plug | Ø4 | | | **IBS04SF15M5IO** |
| Cable | M5 | | | **ICS05S23F15A2IO** |
| Plug | M5 | | | **ICS05S23F15M5IO** |

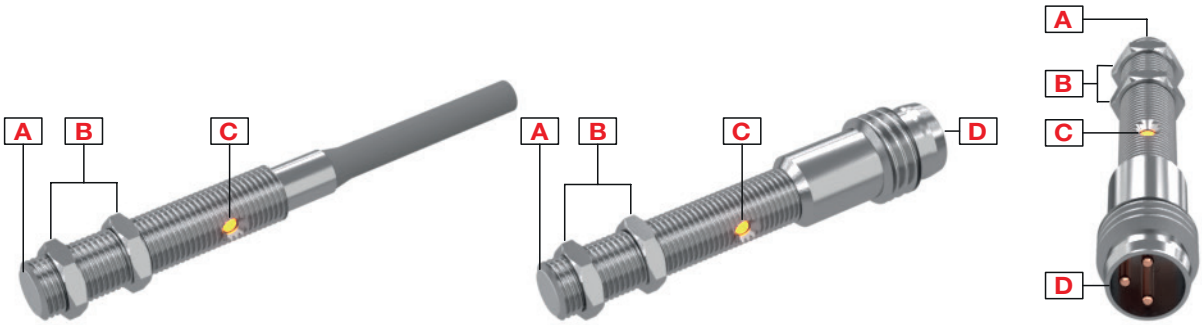
# Structure

## IBS04




| Element | Component | Function |
|---|---|---|
| A | Sensing face | Flush |
| B | LED | Yellow LED: Output flashing: short circuit or overload indication |
| C | M8, 3 pin, male connector | For plug versions only |

## ICS05




| Element | Component | Function |
|---|---|---|
| A | Sensing face | Flush |
| B | 2 nuts | For sensor mounting |
| C | LED | Yellow LED: Output flashing: short circuit or overload indication |
| D | M8, 3 pin, male connector | For plug versions only |