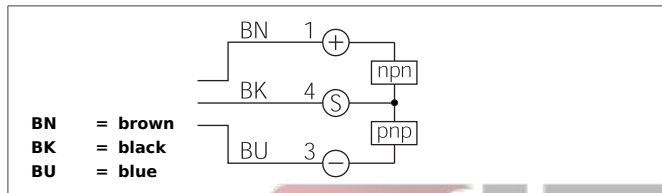
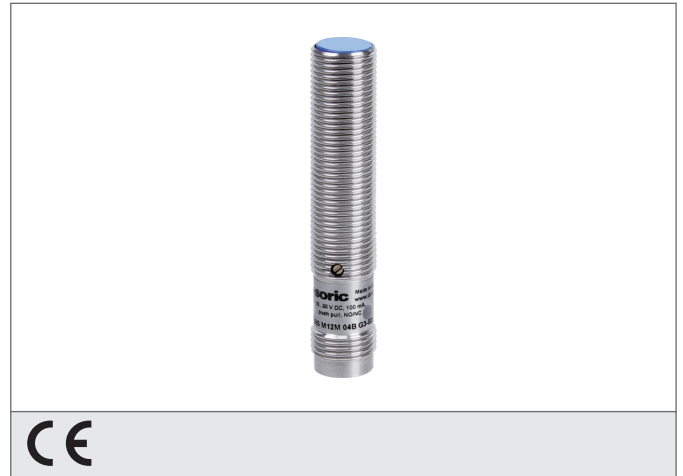


KNS M12M 04B G3-B3

Capacitive Proximity Switch

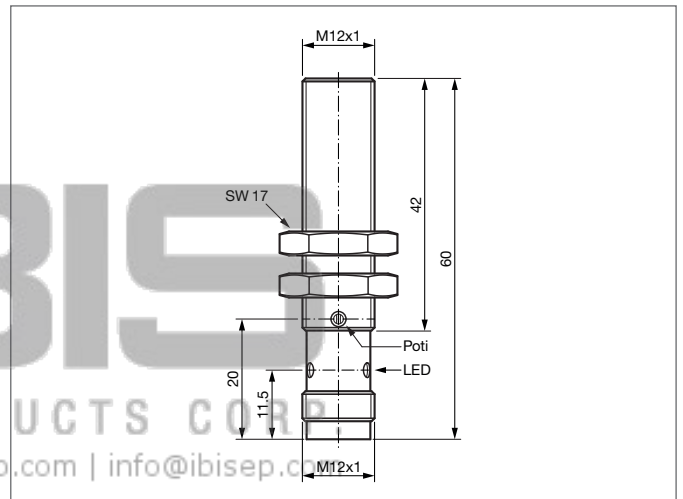
- Large scanning range
- Detection of liquids, powdery and solid materials
- Detection of metallic and non-metallic parts
- Detection possible even through containers and packages
- Sensitivity adjustable via multi-turn potentiometer
- NO/NC switchable
- Push-pull output pnp + npn
- Stainless steel casing



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.

These instruments shall exclusively be used by qualified personnel.



| TECHNICAL INFORMATION (typ.) | +20°C, 24V DC |
|--------------------------------|--------------------------------------|
| Operating principle | Capacitive |
| Size | M12 x 1 (thread) |
| Design | screw |
| Mounting | flush |
| Operating distance | 4 mm (0.1 ... 8 mm adjustable) |
| Standardized measuring plate | 12 x 12 x 1 mm |
| Service voltage | 18 ... 30 V DC |
| No-load current | < 15 mA, (24 V DC) |
| Sensitivity adjustment | Potentiometer 12-way |
| Switching output | Push pull, 100 mA, NO/NC, switchable |
| Switching hysteresis | < 15 % |
| Display | LED: yellow - output signal |
| Voltage drop | < 2,0 V |
| Switching frequency | 100 Hz |
| Readiness delay | < 300 ms |
| Ambient temperature, operation | -20 ... +70 °C |
| Insulation voltage endurance | 500 V |
| Protection class | IP 65, IP 67 |
| Casing material | stainless steel |
| Material | PBT (Sensor probe) |
| Connection | Connector, M12 x 1 |
| Scope of delivery | adjustment tool |