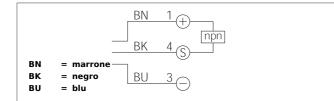
## DCC 08 M 04 NSK-IBSL Inductive Proximity Switch



- Metal plug
- Integrated amplifier
- Short-circuit protection
- Starting pulse suppression
- LED

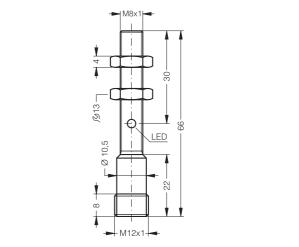




## Safety instructions

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.



| Operating principleInductiveEvaluationdigitalSizeM8 x 1 (thread)DesignscrewMountingquasi-flushCharacteristicsextremely high operating distanceOperating distance4 mmStandardized measuring plate16 x 16 x 1 mmService voltage10 30 V DCNo-load current< 10 mASwitching nysteresis< 10 %Shock-/vibration load10 55 Hz / 1,0 mm / 30 gVoltage drop< 2,0 VSwitching frequency500 HzAmbient temperature, operation500 VProtection classIP 67Casing materialbrass nickel platedConnectionConnector, M12 | TECHNICAL INFORMATION (typ.)   | +20°C, 24V DC                     |
|--|--------------------------------|-----------------------------------|
| SizeM8 x 1 (thread)DesignscrewMountingquasi-flushCharacteristicsextremely high operating distanceOperating distance4 mmStandardized measuring plate16 x 16 x 1 mmService voltage10 30 V DCNo-load current< 10 mA   | Operating principle            | Inductive                         |
| DesignscrewMountingquasi-flushCharacteristicsextremely high operating distanceOperating distance4 mmStandardized measuring plate16 x 16 x 1 mmService voltage10 30 V DCNo-load current< 10 mA  | Evaluation                     | digital                           |
| Mountingquasi-flushCharacteristicsextremely high operating distanceOperating distance4 mmStandardized measuring plate16 x 16 x 1 mmService voltage10 30 V DCNo-load current< 10 mA   | Size                           | M8 x 1 (thread)                   |
| Characeextremely high operating distanceOperating distance4 mmStandardized measuring plate16 x 1 6 x 1 mmService voltage10 30 V DCNo-load current< 10 mA   | Design                         | screw                             |
| Operating distance4 mmStandardized measuring plate16 x 16 x 1 mmService voltage10 30 V DCNo-load current< 10 mA  | Mounting                       | quasi-flush                       |
| Standardized measuring plate16 x 16 x 1 mmService voltage10 30 V DCNo-load current< 10 mA  | Characteristics                | extremely high operating distance |
| Service voltage10 30 V DCNo-load current< 10 mA  | Operating distance             | 4 mm                              |
| No-load current< 10 mASwitching outputnpn, 200 mA, NOSwitching hysteresis< 10 %  | Standardized measuring plate   | 16 x 16 x 1 mm                    |
| Switching outputnpn, 200 mA, NOSwitching hysteresis< 10 %  | Service voltage                | 10 30 V DC                        |
| Switching hysteresis< 10 %Shock-/vibration load10 55 Hz / 1,0 mm / 30 gVoltage drop< 2,0 V   | No-load current                | < 10 mA                           |
| Shock-/vibration load10 55 Hz / 1,0 mm / 30 gVoltage drop< 2,0 V   | Switching output               | npn, 200 mA, NO                   |
| Voltage drop< 2,0 VSwitching frequency500 HzAmbient temperature, operation-25 +70 °CInsulation voltage endurance500 VProtection classIP 67Casing materialbrass nickel plated   | Switching hysteresis           | < 10 %                            |
| Switching frequency500 HzAmbient temperature, operation-25 +70 °CInsulation voltage endurance500 VProtection classIP 67Casing materialbrass nickel plated  | Shock-/vibration load          | 10 55 Hz / 1,0 mm / 30 g          |
| Ambient temperature, operation-25 +70 °CInsulation voltage endurance500 VProtection classIP 67Casing materialbrass nickel plated   | Voltage drop                   | < 2,0 V                           |
| Insulation voltage endurance500 VProtection classIP 67Casing materialbrass nickel plated   | Switching frequency            | 500 Hz                            |
| Protection class IP 67   Casing material brass nickel plated   | Ambient temperature, operation | -25 +70 °C                        |
| Casing material brass nickel plated  | Insulation voltage endurance   | 500 V                             |
|  | Protection class               | IP 67                             |
| Connection Connector, M12  | Casing material                | brass nickel plated               |
|  | Connection                     | Connector, M12                    |