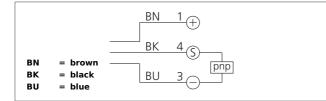
DCC 12 VL 10 PSLK **Inductive Proximity Switch**



- For food industry
- For seawater applications
- Large sensing range to steel and aluminium
- One-piece stainless steel housing
- Protection class IP 68 and IP 69K
- Connecting cable made of TPE-S
- Integrated amplifier
- Short-circuit protection
- Starting pulse suppression
- LED

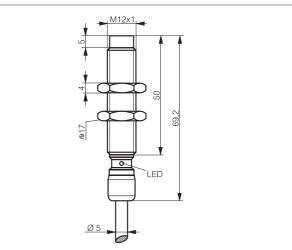




Safety instructions

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 principleInductiveEvaluationdigitalSizeM12 x 1 (thread)DesignscrewMountingnonflushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance10 mmStandardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mASwitching outputpnp, 200 mA, NOSwitching hysteresis< 15 %Shock-/vibration load10 55 Hz / 1,0 mm / 30 gVoltage drop< 2,0 VSwitching frequency400 HzAmbient temperature, operation> 25 + 85 °CInsulation voltage endurance500 VProtection classHe 68, IP 69KCasing materialTE-S (Cable) | TECHNICAL INFORMATION (typ.) | +20°C, 24V DC |
|---|--------------------------------|--------------------------------------|
| SizeM12 x 1 (thread)SizeM12 x 1 (thread)DesignscrewMountingnon-flushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance10 mmStandardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mA | Operating principle | Inductive |
| DesignscrewMountingnon-flushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance10 mmStandardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mA | Evaluation | digital |
| Nonon-flushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance10 mmStandardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mA | Size | M12 x 1 (thread) |
| Characteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance10 mmStandardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mA | Design | screw |
| Steel housingOperating distance10 mmStandardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mA | Mounting | non-flush |
| Standardized measuring plate30 x 30 x 1 mmService voltage10 30 V DCNo-load current< 10 mA | Characteristics | |
| Service voltage10 30 V DCNo-load current< 10 mA | Operating distance | 10 mm |
| No-load current< 10 mASwitching outputpnp, 200 mA, NOSwitching hysteresis< 15 % | Standardized measuring plate | 30 x 30 x 1 mm |
| Switching outputpnp, 200 mA, NOSwitching hysteresis< 15 % | Service voltage | 10 30 V DC |
| Switching hysteresis< 15 %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 | pnp, 200 mA, NO |
| Voltage drop< 2,0 VSwitching frequency400 HzAmbient temperature, operation-25 +85 °CInsulation voltage endurance500 VProtection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L) | Switching hysteresis | < 15 % |
| Switching frequency400 HzAmbient temperature, operation-25 +85 °CInsulation voltage endurance500 VProtection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L) | Shock-/vibration load | 10 55 Hz / 1,0 mm / 30 g |
| Ambient temperature, operation-25 +85 °CInsulation voltage endurance500 VProtection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L) | Voltage drop | < 2,0 V |
| Insulation voltage endurance500 VProtection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L) | Switching frequency | 400 Hz |
| Protection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L) | Ambient temperature, operation | -25 +85 °C |
| Casing material stainless steel (1.4435 / AISI 316L) | Insulation voltage endurance | 500 V |
| | Protection class | IP 68, IP 69K |
| Material TPE-S (Cable) | Casing material | stainless steel (1.4435 / AISI 316L) |
| | Material | TPE-S (Cable) |
| Connection Cable, 2,0 m | Connection | Cable, 2,0 m |