DCC 12 VL 06 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)DesignscrewMountingflushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance6 mmStandardized measuring plate18 x 18 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 frequency600 HzAmbient temperature, operation500 VProtection class1P 68, NE 90KCasing materialstainless steel (1.4435 / AISI 316L)MaterialTPE-S (Cable)ConnectionCable, 2,0 m	TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
SizeM12 x 1 (thread)DesignscrewMountingflushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance6 mmStandardized measuring plate18 x 18 x 1 mmService voltage10 30 V DCNo-load current< 10 mA	Operating principle	Inductive
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MountingflushCharacteristicsextremely high operating distance, up to 80 bar, All stainless steel housingOperating distance6 mmStandardized measuring plate18 x 18 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 distance6 mmStandardized measuring plate18 x 18 x 1 mmService voltage10 30 V DCNo-load current< 10 mA	Design	screw
Steel housingOperating distance6 mmStandardized measuring plate18 x 18 x 1 mmService voltage10 30 V DCNo-load current< 10 mA	Mounting	flush
Standardized measuring plate18 x 18 x 1 mmService voltage10 30 V DCNo-load current< 10 mA	Characteristics	
Service voltage10 30 V DCNo-load current< 10 mA	Operating distance	6 mm
No-load current< 10 mASwitching outputpnp, 200 mA, NOSwitching hysteresis< 15 %	Standardized measuring plate	18 x 18 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 frequency600 HzAmbient temperature, operation-25 +85 °CInsulation voltage endurance500 VProtection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L)MaterialTPE-S (Cable)	Switching hysteresis	< 15 %
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Protection classIP 68, IP 69KCasing materialstainless steel (1.4435 / AISI 316L)MaterialTPE-S (Cable)	Ambient temperature, operation	-25 +85 °C
Casing materialstainless steel (1.4435 / AISI 316L)MaterialTPE-S (Cable)	Insulation voltage endurance	500 V
Material TPE-S (Cable)	Protection class	IP 68, IP 69K
	Casing material	stainless steel (1.4435 / AISI 316L)
Connection Cable, 2,0 m	Material	TPE-S (Cable)
	Connection	Cable, 2,0 m

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