



sensor IQ40-20BPPKC0K

URL:<https://www.sxplc.com/sensor-iq40-20bppkc0k>

Product data sheet

Product Characteristics

Design Structure Square

Housing shape short

Dimensions (W x H x D) 40 mm x 40 mm x 66 mm

Trigger sensing distance Sn 20 mm

Safe connection distance Sa 16.2 mm

Mounting on metal Flush mounting

Switching frequency 150 Hz

Connection type Plug, M12, 4-pin

Switching output PNP

Output function Compensation

Electrical specifications DC 4-wire

Protection class IP67, IP68, IP69K

Special applications Harsh operating conditions

Scope of delivery Push-lock mounting system (1 x)

Mechanical/electrical parameters

Supply voltage 10 V DC ... 30 V DC

Residual ripple $\leq 10 \text{ Vss}$

1)

Voltage drop $\leq 2 \text{ V}$

□ Delay time before operation after power-on (proximity sensor) $\leq 50 \text{ ms}$

Hysteresis 3 % ... 15 % 2)

Reproducibility $\leq 2 \text{ %}$

Temperature drift (Sr

) $\pm 10 \%$

1) From Ub.

2) From Sr

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3) Rated voltage: 50 V DC.

Continuous current $I_a \leq 200 \text{ mA}$

No-load current 12.5 mA

Short-circuit-proof ✓

Reverse polarity protection ✓

Energized pulse protection ✓

Shock and vibration resistance 30 g, 11 ms / 10 ... 55 Hz, 1 mm

Operating temperature -25 °C ... +85 °C

Warehouse ambient temperature -40 °C ... +85 °C

Housing material Plastic, PA 66

Material, sensing surface Plastic, PA 66

Max. tightening torque 1.8 Nm

Protection class II 3)

UL file number E348498

1) From Ub.

2) From Sr.

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3) Rated voltage: 50 V DC.

