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Product data sheet



IQ06-03BPOKU5S

IQM

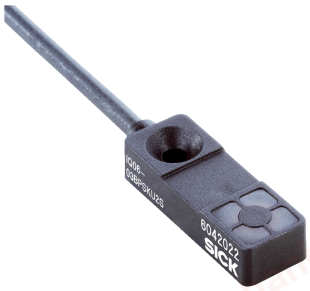
INDUCTIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.

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IQ06-03BP0KU5S | IQM

INDUCTIVE PROXIMITY SENSORS



Ordering information

Type	Part no.
IQ06-03BP0KU5S	6067958

Other models and accessories → www.sick.com/IQM

Detailed technical data

Features

Housing	Rectangular
Dimensions (W x H x D)	10 mm x 30 mm x 6 mm
Sensing range S_n	3 mm
Safe sensing range S_a	2.43 mm
Installation type	Flush
Switching frequency	1,000 Hz
Connection type	Cable, 3-wire, 5 m
Switching output	PNP
Output function	NC
Electrical wiring	DC 3-wire
Enclosure rating	IP67 [1]

[1] According to EN 60529.

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Ripple	≤ 10 % [1]
Voltage drop	< 1.5 V [2]
Time delay before availability	≤ 10 ms
Hysteresis	1 % ... 15 %
Reproducibility	± 1 % [3] [4]
Temperature drift (of S_r)	± 10 %
EMC	According to EN 60947-5-2
Continuous current I_a	≤ 100 mA
Cable material	PUR
Conductor size	0.14 mm²

[1] Of V_S.
[2] At I_a max.
[3] Ub and Ta constant.
[4] Of Sr.

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Cable diameter	Ø 3 mm
Short-circuit protection	✓
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm
Ambient operating temperature	–25 °C ... +70 °C
Housing material	Plastic, PA6
Sensing face material	Plastic, PA6
Tightening torque, max.	0.6 Nm

[1] Of V_S.
[2] At I_a max.
[3] Ub and Ta constant.
[4] Of Sr.

Safety-related parameters

$MTTF_D$	1,328 years
DC_{avg}	0%
T_M (mission time)	20 years

Reduction factors

Note	The values are reference values which may vary
Stainless steel (V2A, 304)	Approx. 0.7
Aluminum (Al)	Approx. 0.4
Copper (Cu)	Approx. 0.3
Brass (Br)	Approx. 0.4

Installation note

Remark	Associated graphic see "Installation"
A	1.5 mm
B	20 mm
C	10 mm
D	9 mm
E	0 mm
F	30 mm

Classifications

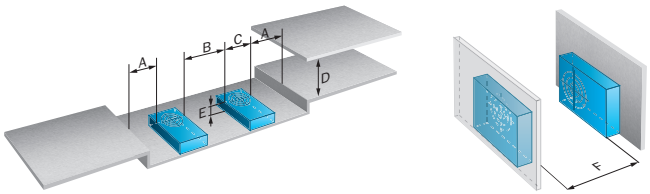
eCl@ss 5.0	27270101
eCl@ss 5.1.4	27270101
eCl@ss 6.0	27270101
eCl@ss 6.2	27270101
eCl@ss 7.0	27270101
eCl@ss 8.0	27270101
eCl@ss 8.1	27270101
eCl@ss 9.0	27270101
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eCl@ss 12.0	27274001

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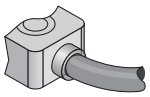
INDUCTIVE PROXIMITY SENSORS

ETIM 5.0	EC002714
ETIM 6.0	EC002714
ETIM 7.0	EC002714
ETIM 8.0	EC002714
UNSPSC 16.0901	39122230

Installation note

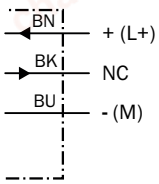


Connection type



Connection diagram

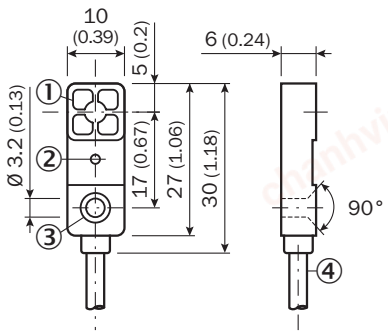
Cd-003



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Dimensional drawing (Dimensions in mm (inch))

IQ06



① Sensing face
② Function indicator (red)
③ Fixing hole
④ Connection

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SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

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Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

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