



IQ40-20BPPKK0S

IQG

INDUCTIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
IQ40-20BPPK0S	1071860

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



Detailed technical data

Features

Housing	Rectangular
Housing	Standard design
Dimensions (W x H x D)	40 mm x 40 mm x 118 mm
Sensing range S_n	20 mm
Safe sensing range S_a	16.2 mm
Installation type	Flush
Switching frequency	150 Hz
Connection type	Cable gland
Output type	PNP
Output function	Complementary
Electrical wiring	DC 4-wire
Enclosure rating	IP67, IP68, IP69K

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Ripple	$\leq 10 V_{pp}^{1)}$
Voltage drop	$\leq 2 V$
Current consumption	$\leq 20 mA^{2)}$
Time delay before availability	$\leq 50 ms$
Hysteresis	3 % ... 15 % ³⁾
Reproducibility	$\leq 2 \%$
Temperature drift (of S_r)	$\pm 10 \%$
Continuous current I_a	$\leq 200 mA$
Short-circuit protection	✓

¹⁾ Of U_b .

²⁾ Without load.

³⁾ Of S_r .

⁴⁾ Reference voltage: 50 V DC.