



# IQ40-40NPPKK0S

IQG

INDUCTIVE PROXIMITY SENSORS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
IQ40-40NPPK0S	1071863

Other models and accessories → [www.sick.com/IQG](http://www.sick.com/IQG)



### Detailed technical data

#### Features

<b>Housing</b>	Rectangular
<b>Housing</b>	Standard design
<b>Dimensions (W x H x D)</b>	40 mm x 40 mm x 118 mm
<b>Sensing range <math>S_n</math></b>	40 mm
<b>Safe sensing range <math>S_a</math></b>	32.4 mm
<b>Installation type</b>	Non-flush
<b>Switching frequency</b>	100 Hz
<b>Connection type</b>	Cable gland
<b>Output type</b>	PNP
<b>Output function</b>	Complementary
<b>Electrical wiring</b>	DC 4-wire
<b>Enclosure rating</b>	IP67, IP68, IP69K

#### Mechanics/electronics

<b>Supply voltage</b>	10 V DC ... 30 V DC
<b>Ripple</b>	$\leq 10 V_{pp}^{1)}$
<b>Voltage drop</b>	$\leq 2 V$
<b>Current consumption</b>	$\leq 20 mA^{2)}$
<b>Time delay before availability</b>	$\leq 200 ms$
<b>Hysteresis</b>	3 % ... 15 % <sup>3)</sup>
<b>Reproducibility</b>	$\leq 6 \%$
<b>Temperature drift (of <math>S_n</math>)</b>	$\pm 10 \%$
<b>Continuous current <math>I_a</math></b>	$\leq 200 mA$
<b>Short-circuit protection</b>	✓

<sup>1)</sup> Of  $U_b$ .

<sup>2)</sup> Without load.

<sup>3)</sup> Of  $S_r$ .

<sup>4)</sup> Reference voltage: 50 V DC.