



Inductive proximity sensors  
Rectangular housing, IQ25

IQ25-05BPSDU2S



**Model Name** > [IQ25-05BPSDU2S](#)  
**Part No.** > [6042046](#)



**At a glance**

- Flat, compact design
- Long sensing distance up to 5 mm
- Easily visible indication LEDs
- Available in a metal housing
- Dimensions: 25 mm x 50 mm x 10 mm

**Your benefits**

- Reduced mechanical damage due to space-saving flat housing, which does not protrude from sensor
- Time-saving simple installation with one or two screws
- No restrictions on machine design



**Features**

Housing:	Rectangular
Dimensions (W x H x D):	25 mm x 50 mm x 10 mm
Sensing range Sn:	5 mm
Assured sensing range Sa:	4.05 mm
Installation type:	Flush
Switching frequency:	500 Hz
Switching output:	PNP
Output function:	NO
Electrical wiring:	DC 3-wire
Enclosure rating:	IP 67 <sup>1)</sup>
Connection type:	Cable, 3-wire, 2 m

<sup>1)</sup> According to EN 60529

**Mechanics/electronics**

Supply voltage:	10 V DC ... 30 V DC
Ripple:	≤ 15 % <sup>1)</sup>
Voltage drop:	≤ 2.5 V <sup>2)</sup>
Power consumption:	25 mA <sup>3)</sup>
Time delay before availability:	≤ 50 ms
Hysteresis:	1 % ... 15 %
Repeatability:	± 5 % <sup>4) 5)</sup>
Temperature drift (% of Sr):	± 10 %