Inductive Proximity Sensor

FNC IPS50 Series



Features

- **High-precision sensing**
- **Industrial durability**
- **High switching speed**
- **Advanced protection**
- **Plug-and-play flexibility**

Electrical Data

Rated operating distance S_a	: 0 … 8mm
Assured operating distance S_n	: 0 … 6.50mm
Output type	: PNP
Reduction factor (Al)	: 0.3
Reduction factor (Cu)	: 0.2
Reduction factor (304)	: 0.6
Operation voltage	: 10...30 VDC
Switching frequency	: 0...300 Hz
Hysteresis	: %6
Reverse polarity protection	: Reverse polarity protected
Short circuit protection	: Short circuit protected
Operating current	: 0...200 mA
No-load supply current	: ≤15 mA
Time delay before availability	: ≤ 5 ms
Swiching status indicator: NO status Led NC status Led	 : Yellow : Blue

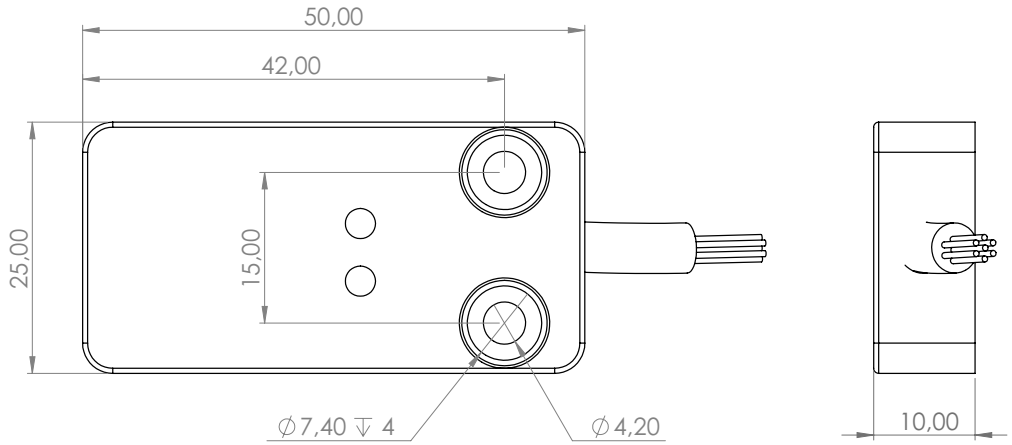
Mechanical Data

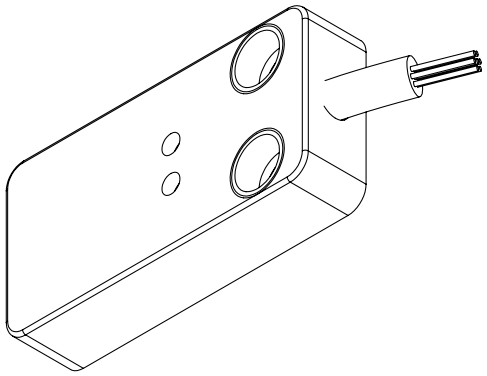
Housing material	: PBT
Width	: 25 mm
Height	: 50 mm
Length	: 10 mm
Connection types	: Cable
Operating temperature	: -35 … +70 °C
Storage temperature	: -40 … +85 °C
Protection class	: IP 67
Protection class (connection)	: IP 67

Inductive Proximity Sensor
Cable / Connector Wiring, Mechanical Dimensions

FNC IPS50 Series

Mechanical Dimensions





Connection

Color Pre- wired models only	Function
Brown	+VDC
White	0V GND
Blue	PNP NC
Black	PNP NO

FNC IPS50 Series

FNC IPS 50 Part Number

