

IWFM 20I9501/S35

Inductive distance sensors

Article number: 10123624

Overview

- 2 ... 5 mm
- current output
- connector M8
- 60 °C
- IP 67



Picture similar



Technical data

General data

Mounting type	Flush
Measuring distance Sd	2 ... 5 mm
Reference distance	3.25 ... 3.75 mm
Measuring speed	< 1 mm / ms
Repeat accuracy	0.01 mm
Linearity error	± 100 µm
Temperature coefficient	1 µm / (K mm)

Electrical data

Voltage supply range +Vs	15 ... 30 VDC
Current consumption max. (no load)	35 mA
Output circuit	Current output
Output signal	4 ... 20 mA
Load resistance +Vs min.	< 500 Ohm

Electrical data

Load resistance +Vs max.	< 1000 Ohm
Residual output ripple	< 0.5 % Vs
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Design	Rectangular
Material (sensing face)	PBT
Housing material	Brass nickel plated
Dimension	20 mm
Housing length	35 mm
Connection types	Connector M8

Ambient conditions

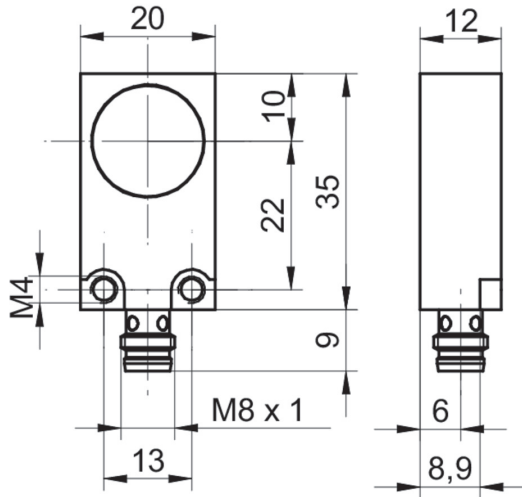
Operating temperature	0 ... +60 °C
Protection class	IP 67

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Dimension drawing



Connection diagram

