FC6L/0B-0106-1F

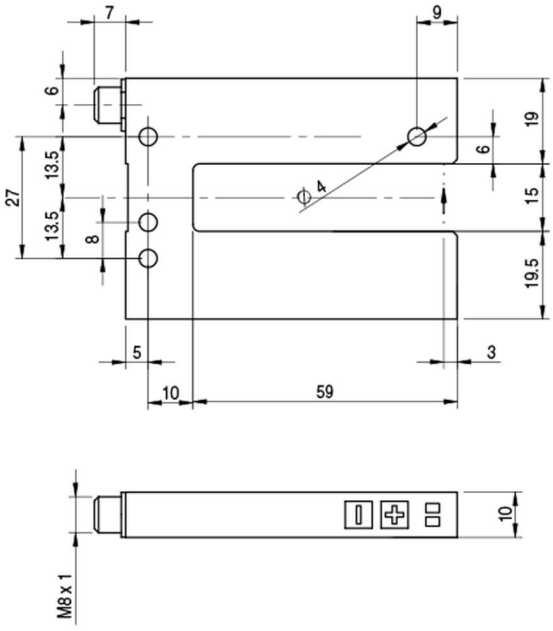
FC6



Indicative image

PHOTOELECTRIC FORK FOR OBJECTS DETECTION WITH REGULATION

- Simple and accurate adjustment manually by -/+ buttons
- Infrared emission; LASER emission class 1
- Metal housing
- Light/Dark switching, selectable by button
- Minimum size object detection 0,2 mm (FC6I) and 0,05 mm (FC6L)
- -20...+60 °C temperature range
- M8 connectors (4pins): PNP/NPN, LO/DO
- Switching frequency 10 kHz



Detection properties

Nominal sensing distance	15mm
minimum detectable object	0.05mm
Sensitivity adjustment	Yes

Outputs

Output type	NPN + PNP
Output Function	LO/DO
Switching frequency	10kHz

Electrical data

Operating Voltage	12...24Vdc
No-Load supply current	40mA
Load current	100mA

Output voltage drop	≤ 2V @ IL =100 mA
Max ripple content	≤ 10%
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Red LASER 670 nm, modulated, class 1
Interference to external light	5000lux (incandescent lamp), 10000lux (sunlight)

Mechanical data

Dimensions	Width slot detection 15mm - Depth slot detection 59mm
Weight	80g
Housing Material	Painted aluminium
Connections	M8 plug 4 pin
Active Head Material	Polyamide/glass
Operating temperature	- 20°C...+ 50°C
Storage temperature	- 30°C...+ 80°C
Width slot detection	15mm
Depth slot detection	59mm

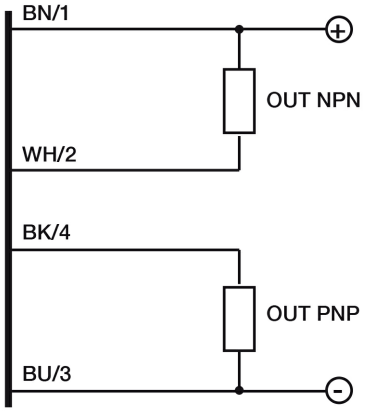
Test/Approvals

Approvals	CE UL
EMC compatibility	EN 60947-5-2
Degree of protection	IP65

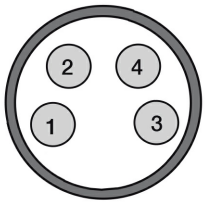
Generical Data

Dimensions	Width slot detection 15mm - Depth slot detection 59mm
Operating Temperature	- 20°C...+ 50°C
Mechanical Protection	IP65

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail info@datasensing.com

date of printing
28/04/2022 23:10:12