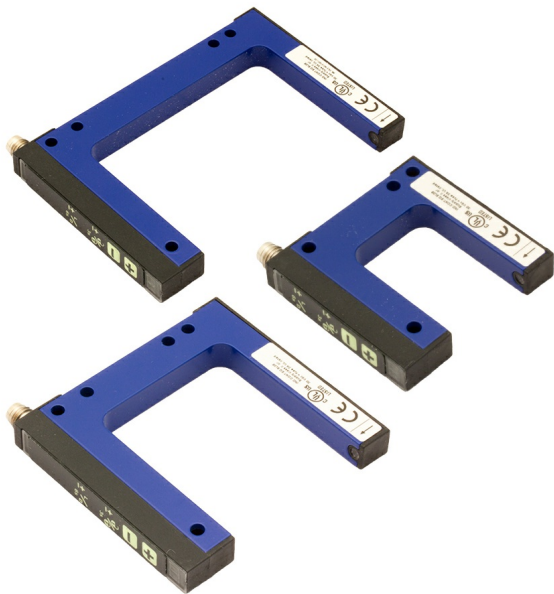
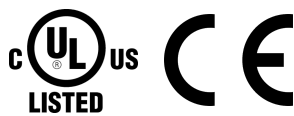


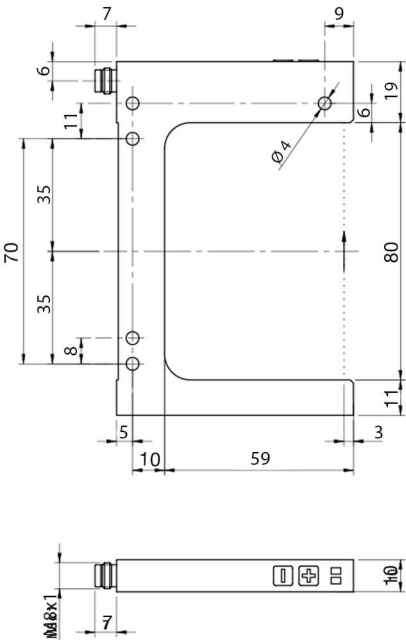


Indicative image



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	80mm
minimum detectable object	0.2mm
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	Infrared LED, modulated
Interference to external light	5000lux(incandescent lamp), 10000lux(sunlight)

Mechanical data

Dimensions	Width slot detection 80mm - Depth slot detection 59mm
Weight	90g
Housing Material	Painted aluminium
Connections	M8 plug 4 pin
Active Head Material	Polyamide/glass
Operating temperature	- 20°C...+ 60°C
Storage temperature	- 30°C...+ 80°C
Width slot detection	80mm
Depth slot detection	59mm

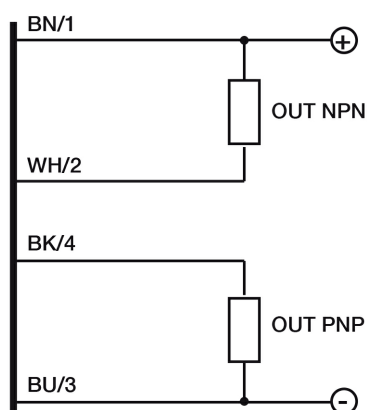
Test/Approvals

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

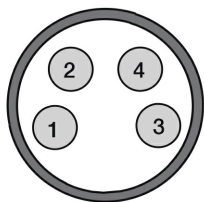
Generical Data

Dimensions	Width slot detection 80mm - Depth slot detection 59mm
Operating Temperature	- 20°C...+ 60°C
Mechanical Protection	IP65

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



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