

# FC8

## FC8U/0N-M307-1F

Ultrasonic slot labelling 3mm width  
ULTRASONIC FORK SENSORS FOR LABELS DETECTION



## OVERVIEW

- Ultrasonic fork sensor for transparent labels, any opaque material with connector M8 4-pole
- Teach-in models with dynamic and remote teach
- Ultrasonic technology
- Small size easy to locate; aluminum case
- NPN and PNP, LO/DO total configurable
- Width slit detection 3 mm; depth slit detection 69 mm
- Maximum switching frequency 1.500 Hz



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	3mm
minimum detectable object	2mm
Si	Yes
Sensitivity adjustment	Yes
+/-50 µm a 150m/min	+/-20 µm at 120m/min

200 m/min	180 m/min
2mm	2mm

### Outputs

Output type	NPN
Output Function	LO/DO selectable
Switching frequency	1.500Hz

### Electrical data

Operating Voltage	12 - 24Vdc
No-Load supply current	≤ 45mA
Load current	100mA
Output voltage drop	≤ 2 V @ IL =100 mA
Max ripple content	≤ 10%
Time delay before availability	300ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Ultrasonic

### Mechanical data

Dimensions	Width slot detection 3mm - Depth slot detection 69mm
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Weight	160g
Housing Material	Painted aluminum
Connections	M8 plug 4 pin
Operating temperature	+ 5°C...+ 55°C
Storage temperature	- 20°C...+ 70°C
Width slot detection	3mm
Depth slot detection	69mm

#### Test/Approvals

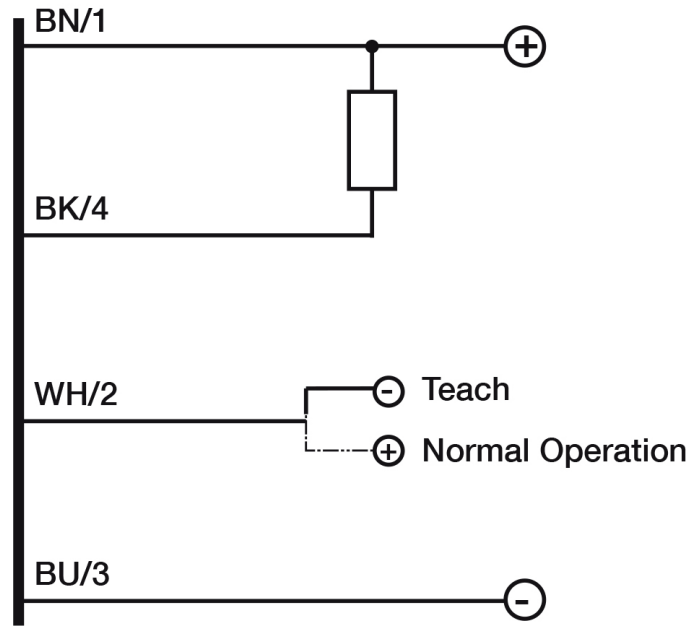
Approvals	CE UL
EMC compatibility	EN 60529
Degree of protection	IP65

#### Generical Data

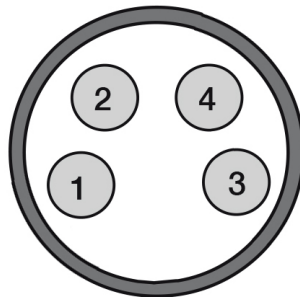
Dimensions	Width slot detection 3mm - Depth slot detection 69mm
Operating Temperature	+ 5°C...+ 55°C
Mechanical Protection	IP65

# CONNECTIONS

Eletrical diagram

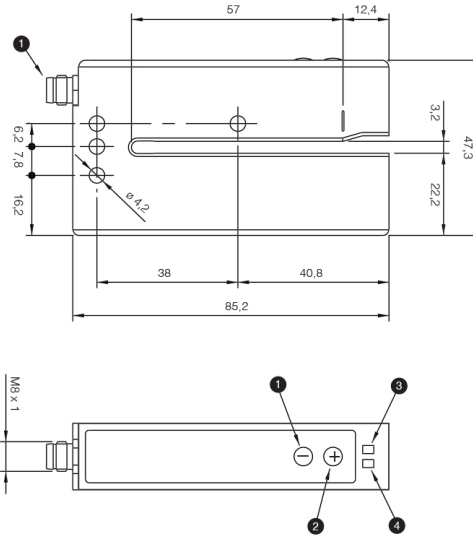


Connector



# OTHERS

Dimensions



- 1 button -
- 2 button +
- 3 yellow LED, "ON" when the outputs are set to 1 (run)
- 4 red LED: keyboard lock and regulation

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