



FC5

FC5R/DN-0506-1F

Slot 50mm width RED LED NPN-NO
PHOTOELECTRIC FORK FOR OBJECTS DETECTION
WITHOUT REGULATION

OVERVIEW

- Plug and Play without adjustment
- High power RED LED emission
- Minimum size object detection 0,8 mm
- Metal housing
- Connettore M8 a 3 pins
- LED Indicator high visibility
- Switching frequency 4 KHz
- -10...+60 °C operating temperature range
- 3 wires: PNP or NPN, LO or DO



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	50mm
minimum detectable object	0,8mm
Si	Yes
Sensitivity adjustment	No

Application

Function Principle	Photoelectric slot
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Outputs

Output type	NPN Don
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Output Function	Don
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Switching frequency	4kHz
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Response time	125 μ s
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Electrical data

Operating Voltage	12...24VDC
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No-Load supply current	≤ 20 mA
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Load current	≤ 100 mA
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Output voltage drop	$\leq 1,5$ V@Iload=100mA
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Max ripple content	≤ 10 %
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LED indicators	Yellow (status output)
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Time delay before availability	≤ 200 ms
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Emission	LED Red
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Interference to external light	5000lux (incandescent lamp), 10000lux (sunlight)
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Mechanical data

Dimensions	Width slot detection 50mm - Depth slot detection 60mm
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Housing material	Painted aluminium
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Weight	72g
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Connections	M8 plug 3pin
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Active Head Material	Polyamide/glass
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Operating temperature	- 10°C...+ 60°C
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Storage temperature	- 40°C...+ 80°C
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Width slot detection	50mm
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Depth slot detection	60mm
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Test/Approvals

Approvals	CE UL
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EMC compatibility	EN 60947-5-2
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Degree of protection	IP67
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Generical Data

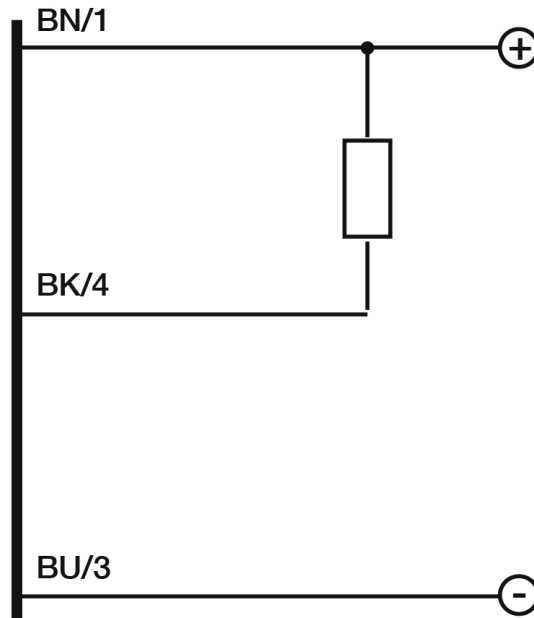
Dimensions	Width slot detection 50mm - Depth slot detection 60mm
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Operating Temperature	- 10°C...+ 60°C (Without freeze)
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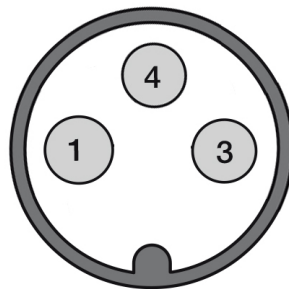
Mechanical Protection	IP67
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CONNECTIONS

Electrical diagram

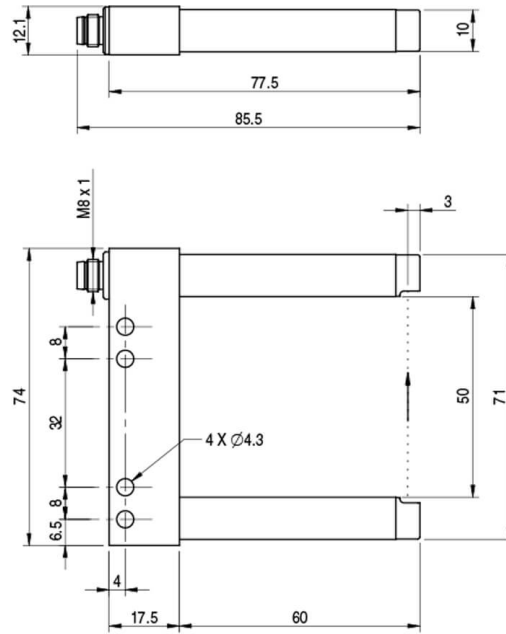


Connector



OTHERS

Dimensions



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