



FC5

FC5R/DP-0506-1F

Slot 50mm width RED LED PNP-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
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minimum detectable object	0,8mm
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Si	Yes
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Sensitivity adjustment	No
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Application	
Function Principle	Photoelectric slot
Outputs	
Output type	PNP Don
Output Function	Don
Switching frequency	4kHz
Response time	125μs
Electrical data	
Operating Voltage	12...24VDC
No-Load supply current	≤ 20mA
Load current	≤100mA
Output voltage drop	≤1,5V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red

Interference to external light	5000lux (incandescent lamp), 10000lux (sunlight)
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Mechanical data

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

Test/Approvals

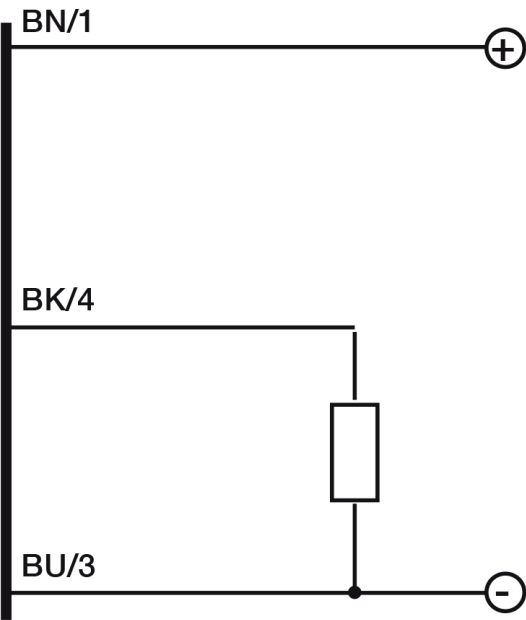
Approvals	CE UL
EMC compatibility	EN 60947-5-2
Degree of protection	IP67

Generical Data

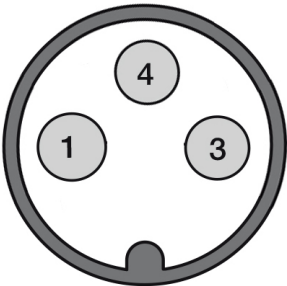
Dimensions	Width slot detection 50mm - Depth slot detection 60mm
Operating Temperature	- 10°C...+ 60°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

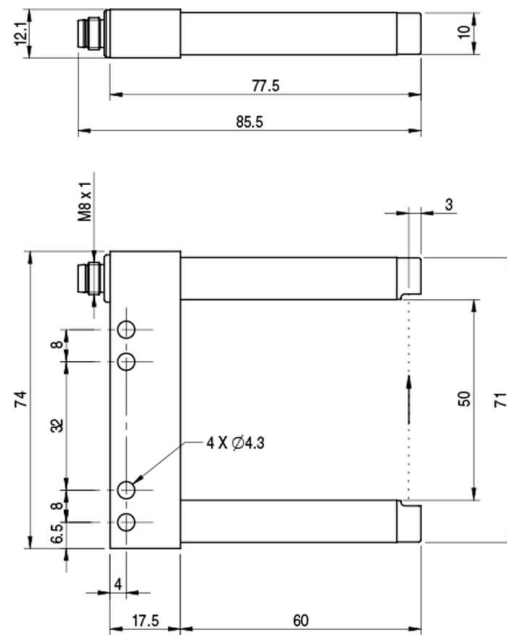


Connector



OTHERS

Dimensions



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