FC5R/DN-0303-1F

FC5



Indicative image

PHOTOELECTRIC FORK FOR OBJECTS DETECTION WITHOUT REGULATION

- 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

Detection properties

Nominal sensing distance	30mm
minimum detectable object	0,8mm
Si	Yes
Sensitivity adjustment	No

Outputs

Output type	NPN
Output Function	DO
Switching frequency	4kHz

Electrical data

Operating Voltage	12...24Vdc
No-Load supply current	≤ 20mA
Load current	100mA
Output voltage drop	≤ 1,5V @ IL =100 mA
Max ripple content	≤ 10%

Time delay before availability	150ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Red LED, modulated
Interference to external light	5000lux (incandescent lamp), 10000lux (sunlight)

Mechanical data

Dimensions	Width slot detection 30mm - Depth slot detection 40mm
Weight	66g
Housing Material	Painted aluminium
Connections	M8 plug 3 pin
Active Head Material	Polyamide/glass
Operating temperature	- 10°C...+ 60°C
Storage temperature	- 40°C...+ 80°C
Width slot detection	30mm
Depth slot detection	40mm

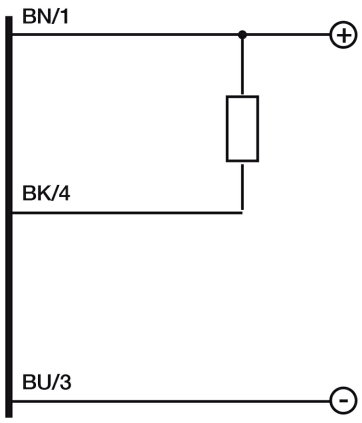
Test/Approvals

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

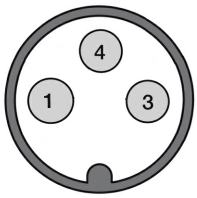
Generical Data

Dimensions	Width slot detection 30mm - Depth slot detection 40mm
Operating Temperature	- 10°C...+ 60°C
Mechanical Protection	IP67

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 22:51:26