



FC5

FC5R/LN-1812-1F

Slot 180mm width 124mm depth
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	180mm
--------------------------	-------

minimum detectable object	1,2mm
---------------------------	-------

Si	Yes
----	-----

Sensitivity adjustment	No
------------------------	----

Application	
Function Principle	Photoelectric slot
Outputs	
Output type	NPN Lon
Output Function	Lon
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)
--------------------------------	--

Mechanical data

Dimensions	Width slot detection 180mm - Depth slot detection 124.3mm
Housing material	Painted aluminium
Weight	142g
Connections	M8 plug 3pin
Active Head Material	Polyamide/glass
Operating temperature	- 10°C...+ 60°C
Storage temperature	- 40°C...+ 80°C
Width slot detection	180mm
Depth slot detection	120mm

Test/Approvals

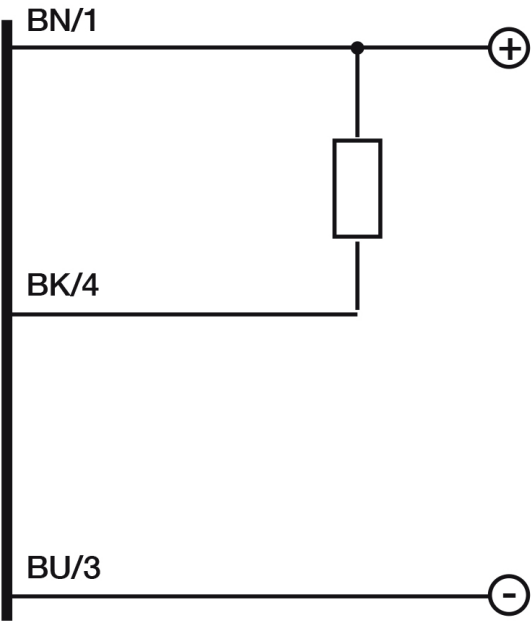
Approvals	CE UL
EMC compatibility	EN 60947-5-2
Degree of protection	IP67

Generical Data

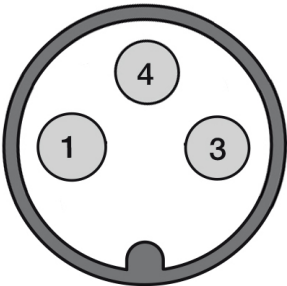
Dimensions	Width slot detection 180mm - Depth slot detection 124.3mm
Operating Temperature	- 10°C...+ 60°C (Without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

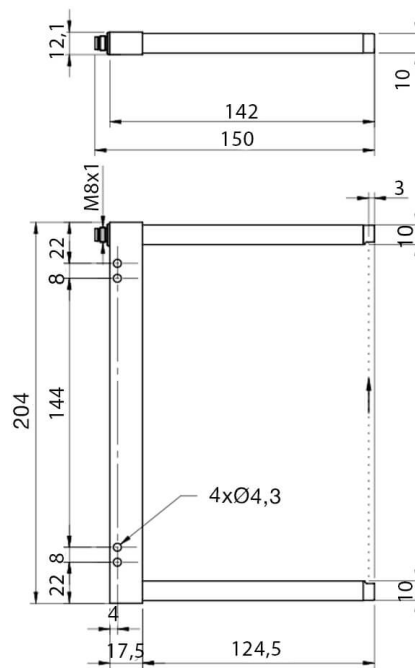


Connector



OTHERS

Dimensions



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**
10/08/2026
01:46:11