

RS PRO Fibre Optic Sensors

RS Stock No.: 2040681, 2040682

FEATURES

- Leading dual monitor mode;
- Build-in high-speed digital processing chip;
- Automatic and manual correction and calibration optional;
- High precision detection and easy wiring system.



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Fibre Optic Sensors



Part Number

Part number	Output
FD2-NB11R	NPN NO/NC
FD2-PB11R	PNP NO/NC

General Specifications

Detection Range and accuracy	Depends on fibre optic head
Number of Output	3
Light Source	660nm red visible light
Switching Mode	NO / NC
Response Time	<200us (Fine mode); <300us (Turbo mode); <550us (Super)
Output time delay	0ms/10ms/40ms optional
Terminal Type	2m PVC cable
Output Indicators	4 LED digital display, LED bar display, action display
Ambient light	Incandescent lamp 3000lux, sunlight 10000lux
Mounting Type	Cable
Housing material	PC+ABS

Electrical Specifications

Operating Supply Voltage	1224 VDC
Current Consumption	<60mA
Electrical Connection	Cable
Load Current	<100mA
Circuit Protection	Yes (Surge protection, reverse polarity and overload protection)
Insulation Resistance	50MΩ min. (at 500 VDC)
Dielectric Strength	1,000V ac at 50/60 Hz for 1 min

Operation Environment Specifications

Relative Air Humidity	35~85%RH (with no condensation)
Operating Temperature Range	-10°C to 50°C (no freezing)
Vibration Resistance	10 to 55 Hz with a 0.5mm double amplitude for 2 hours each in X, Y, and Z directions
Shock Resistance	500 m/s2 for 3 times each in X, Y, and Z directions

Fibre Optic Sensors



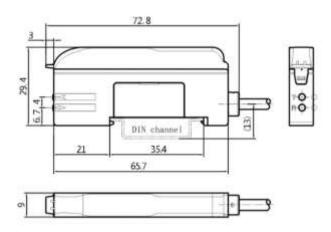
Protection Category

IP Rating	IP54
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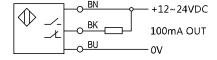
Approvals

Compliance/Certifications	CE
Declarations	ROHS/REACH

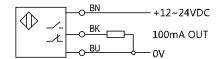
Dimension and Wiring



FD2-NB11R



FD2-PB11R



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