



FQ

FQI8/BP-1E

Photo.M18,PNP-NO+NC,M12 plug,Diffuse

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,2m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse reflection (long distance, >600mm)
Notes	white target Kodak 90% 400 x 400mm
Optic position	Axial

Outputs

Output type	PNP NO+NC
Output Function	NO+NC
Switching frequency	250Hz

Response time	2ms
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤50mA
Leakage current	≤10μA
Output voltage drop	≤2V@Iload=50mA
Max ripple content	≤10%
LED indicators	Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage
Reverse Polarity Protection	Polarity inversal, Impulsive voltage
Emission	LED Infrared (880nm)
Interference to external light	5000lux (incandescent lamp), 10000lux (sunlight)
Mechanical data	
Housing material	Nickel plated brass / PC cable exit
Connections	M12 plug
Active Head Material	PC

Tightening torque	25Nm
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Diameter/Dimension	M18
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Test/Approvals

Approvals	CE
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EMC compatibility	EN 60947-5-2
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Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
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Accessories

Supplied Accessories	nuts M18 x 1, screwdriver
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Generical Data

Dimensions	M18 x 1 /L =66,3mm
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Operating Temperature	- 25°C...+ 70°C (Without freeze)
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Mechanical Protection	IP67
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