

Image:

FAL

FALN/0P-1E

Photo.M18,PNP-NO/NC,M12 plug,Reflex

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	20m
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	Teach-in

Application

Function Principle	Polarized
Notes	On RL110 reflector ; 30m on RL201 , 5m on RL100D
Optic position	Axial

Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	800Hz

Response time	625μs
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Green power supply/yellow (LightON EG≥2)/yellow flashing (LightON 1<EG<2)
Time delay before availability	≤200ms
Reverse Polarity Protection	Polarity inversal, Inpulsive voltage
Emission	LASER Red (650nm) class1
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Mechanical data	
Housing material	Nickel plated brass / PC plug
Connections	M12 plug
Active Head Material	Glass / PC
Tightening torque	25Nm

Diameter/Dimension	M18
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Test/Approvals

Approvals	CE cULus
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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=97,6m
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Operating Temperature	- 15°C...+ 55°C (Without freeze)
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Mechanical Protection	IP67
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