



FF + FFRS

FFIH/00-1EAN

Photo.M18,IR emiss.,M12 plug,Emitter
M18 IP69K PHOTOELECTRIC SENSORS FOR HARSH ENVIRONMENTS

TECHNICAL FEATURES

Detection properties	
Nominal sensing distance	20m
Repeat Accuracy	5%
Sensitivity adjustment	No
Application	
Function Principle	Emitter
Emitter/Receiver	Emitter
Optic position	Axial
Outputs	
Output type	
Electrical data	

Operating Voltage	10...30VDC
No-Load supply current	≤ 40mA
Max ripple content	≤10%
LED indicators	Green Stability ; Yellow Output state ,
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)

Mechanical data

Housing material	Stainless steel AISI 316L / PA12 plug
Connections	M12 plug
Active Head Material	PA12
Tightening torque	50Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus ECOLAB Diversy Ex: II 3G Ex nA IIC T5 Gc II 3D Ex tc IIIB T95°C Dc
EMC compatibility	EN 60947-5-2

Accessories

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Supplied Accessories

Nuts M18 x 1

Generical Data

Dimensions

M18x1/L=83mm

Operating Temperature

- 25°C...+ 80°C (Without freeze)

Mechanical Protection

IP68, IP69K

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