



FF + FFRS

FFIH/X0-1E

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 with check
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

Test/Approvals

Approvals	CE cULus ECOLAB Diversey
EMC compatibility	EN 60947-5-2

Accessories

Supplied Accessories	Nuts M18 x 1
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Generical Data

Dimensions	M18x1/L=83mm
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Operating Temperature	- 25°C...+ 80°C (Without freeze)
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Mechanical Protection	IP68, IP69K
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