

FF + FFRS

FFRS/BP-1EV5

Photo.d 18,PNP-NO+NC,M12 plug,BGS

M18 IP69K PHOTOELECTRIC SENSORS FOR HARSH ENVIRONMENTS

OVERVIEW

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	130mm
Repeat Accuracy	10%
Sensitivity adjustment	Teach-in
Minimum sensing distance (blind zone)	30mm

Application

Function Principle	Blackground suppression
Notes	white target Kodak 90%100 x 100mm

Optic position	Axial

Outputs

Output type	PNP NO+NC
Output Function	NO+NC
Switching frequency	1Khz
Response time	500µs

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 50mA
Load current	≤100mA
Leakage current	≤10µA
Output voltage drop	≤2V@Iload=100mA
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 Red (660nm)

Interference to external light	5.000lux (incandescent lamp), 10.000lux (sunlight)

Mechanical data

Dimensions	17,5/L=83mm
Housing material	Stainless steel AISI 316L / PA12 plug
Weight	60g
Connections	M12 plug
Active Head Material	PA12
Operating temperature	-25°C…+80°C (without freeze)
Diameter/Dimension	Ø 17,5mm

Test/Approvals

Approvals	CE cULus ECOLAB Diversey
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP68, IP69K

Accessories

Supplied Accessories	

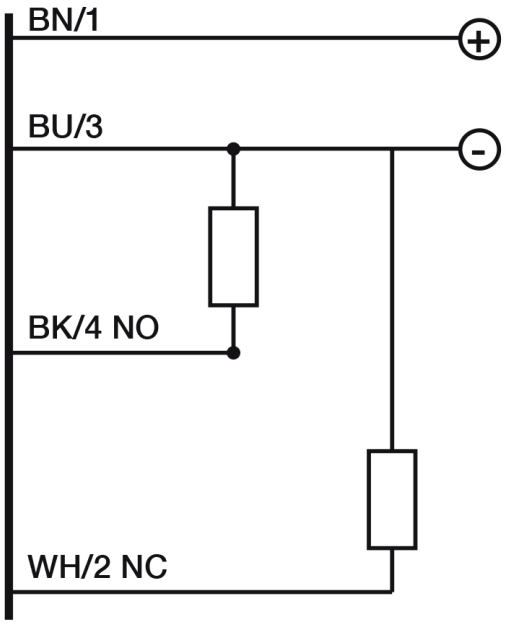
Generical Data

Dimensions	17,5/L=83mm

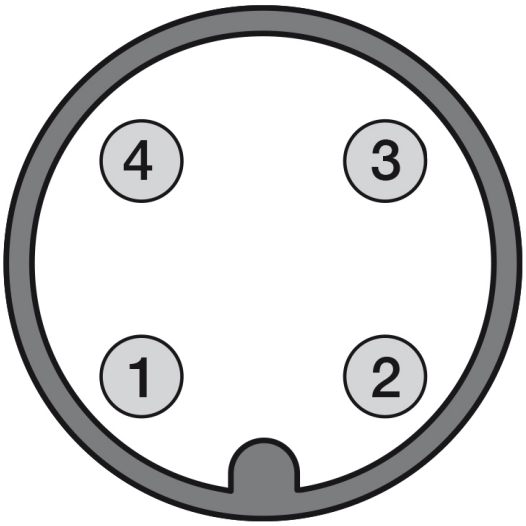
Operating Temperature	- 25°C…+ 80°C (Without freeze)
Mechanical Protection	IP68, IP69K

CONNECTIONS

Eletrical diagram

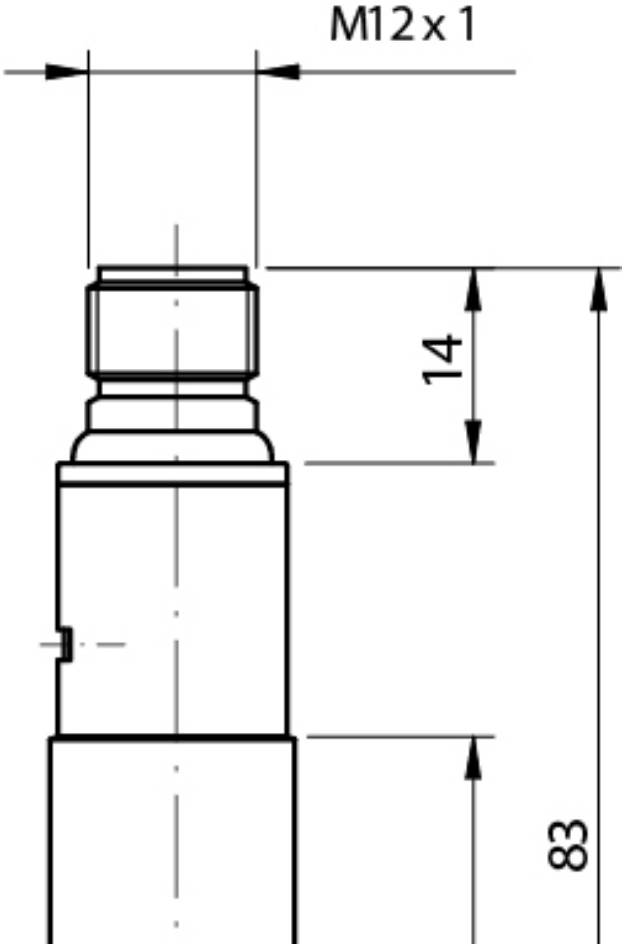


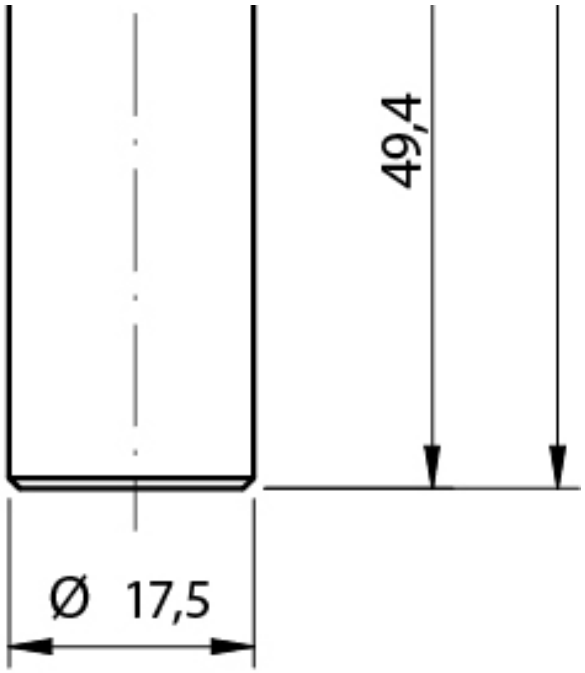
Connector

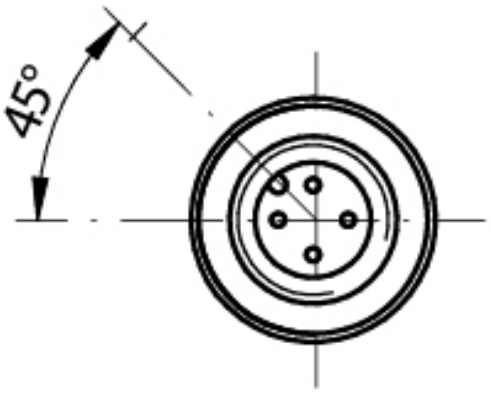


OTHERS

Dimensions







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