



MS-MP

MPR/00-1A

Photo.M18,NPN/PNP-NO/NC,Cable,Receiver
M18 DECOUT® DC OUTPUT

OVERVIEW

- Wide range of models: diffuse, retro-reflective, polarized, through-beam detection and background suppression
- Through-beam models with high sensing range
- Retro-reflective models with red visible polarized light
- Models with right angle optic (MP)
- Background suppression models with fixed distance
- Check function available for all through-beam models
- Complete protection against electrical damage



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	16m
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application	
Function Principle	Receiver
Emitter/Receiver	Receiver
Optic position	Radial 90°
Outputs	
Output type	Decout NPN/PNP Selectable NO/NC Selectable
Output Function	NO/NC Selectable
Switching frequency	30Hz
Response time	16,66ms
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 25mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Red (status output)
Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage

Emission	
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Impulsive Overvoltage Protection

Mechanical data

Dimensions	M18 x 1 /L =74,7 x 29,7mm
Housing material	Nickel plated brass / PC cable exit
Weight	130g
Connections	2m PVC cable
Active Head Material	PMMA
Tightening torque	25Nm
Operating temperature	25°C..+ 70° C (Without freeze)
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cURus
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

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Supplied Accessories

nuts M18 x 1

Generical Data

Dimensions

M18 x 1 /L =74,7 x 29,7mm

Operating Temperature

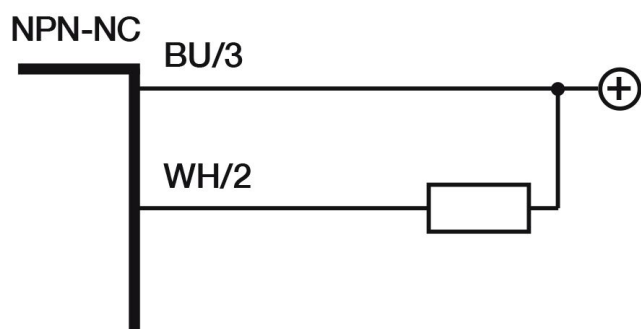
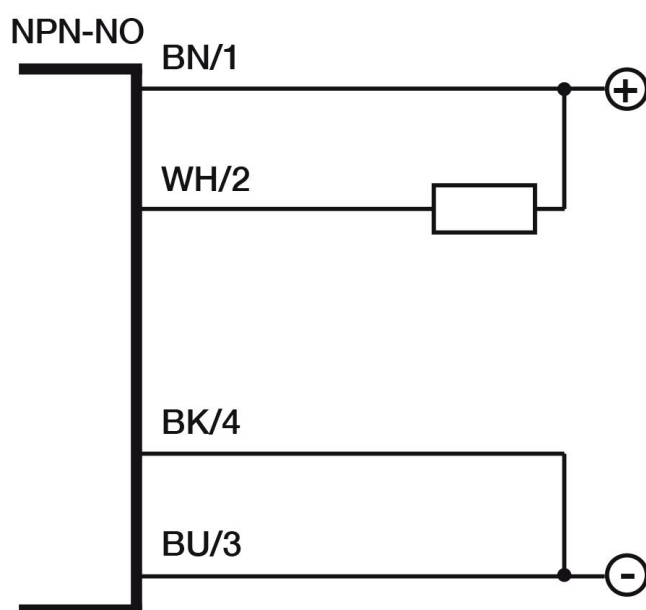
- 25°C...+ 70°C (Without freeze)

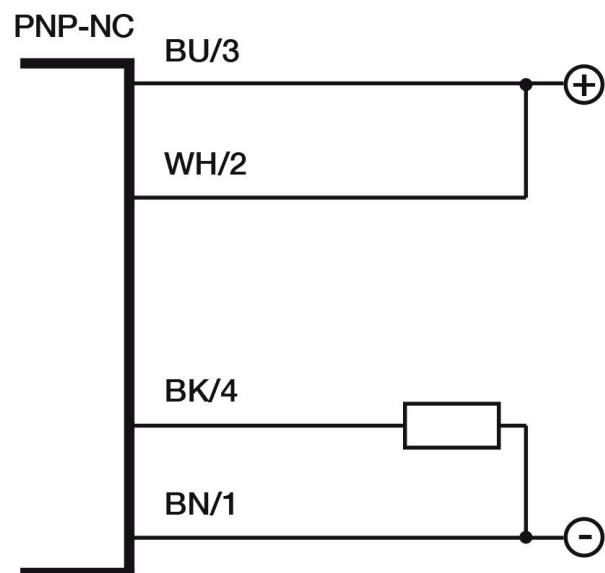
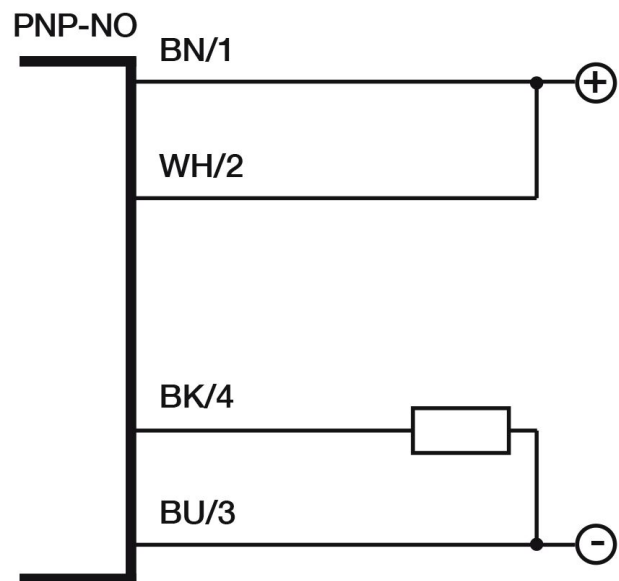
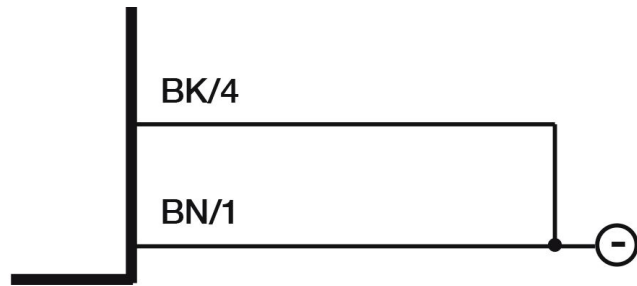
Mechanical Protection

IP67

CONNECTIONS

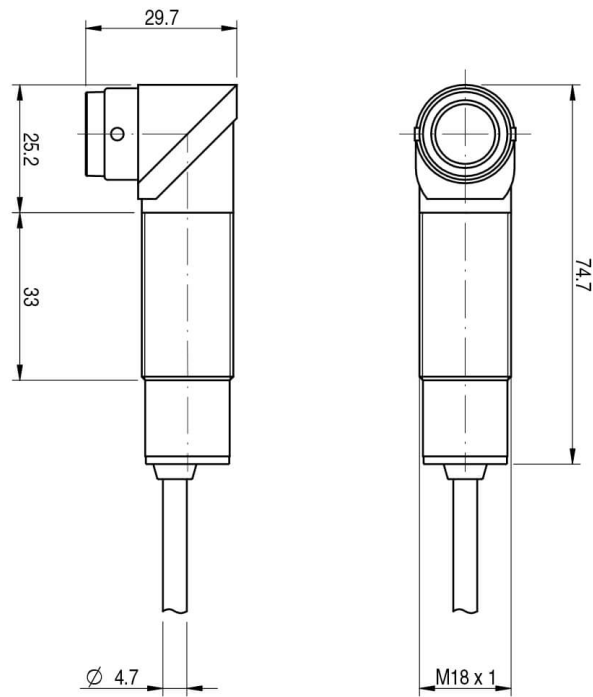
Eletrical diagram





OTHERS

Dimensions



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