



FG

FGRW/DT-0A

Photo.Midi,Relay-NO+NC,Cable,BGS

**COMPACT PHOTOELECTRIC SWITCH SENSORS WITH
HIGH PERFORMANCES AND HIGH DETECTION DISTANCES**

OVERVIEW

- Cable output or with revolving connector, NPN or PNP output (DC models) and SPDT voltage free relay output (AC models)
- Selectable LO/DO output status
- Totally protected against electrical damages
- Background suppressions models: 310 mm, 600 mm
- Reflex polarized sensitivity adjustment 12 m
- Emitter and Receiver with max detecting range of 50 m
- Double Multifunction LED indicator: output state and using the pointing
- Sensitive adjustment models



TECHNICAL FEATURES

Detection properties

Nominal sensing distance

600mm

Sensitivity adjustment

Potentiometer 2 turns with position indicator

Minimum sensing distance (blind zone)

110mm

Application

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

Outputs

Output type	Relay SPDT NO+NC
Output Function	NO+NC
Switching frequency	33Hz
Response time	15,15ms

Electrical data

Operating Voltage	24...240VDC/24...240VDC/50-60Hz
No-Load supply current	≤ 2VA
LED indicators	Green (powerON) Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red
Interference to external light	10,000Lux (minimum sunlight), 3,000 min HF lamp
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	20x44,9x60mm
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Material	
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Housing material	ABS
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Weight	160g
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Connections	2m PVC cable
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Active Head Material	PMMA
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Operating temperature	-25°C...+55°C
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Diameter/Dimension	Cubic
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Test/Approvals

Approvals	CE UR
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EMC compatibility	EN 60947-5-2
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Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-28
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Degree of protection	IP67
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Accessories

Supplied Accessories	Mounting bracket STFG 00
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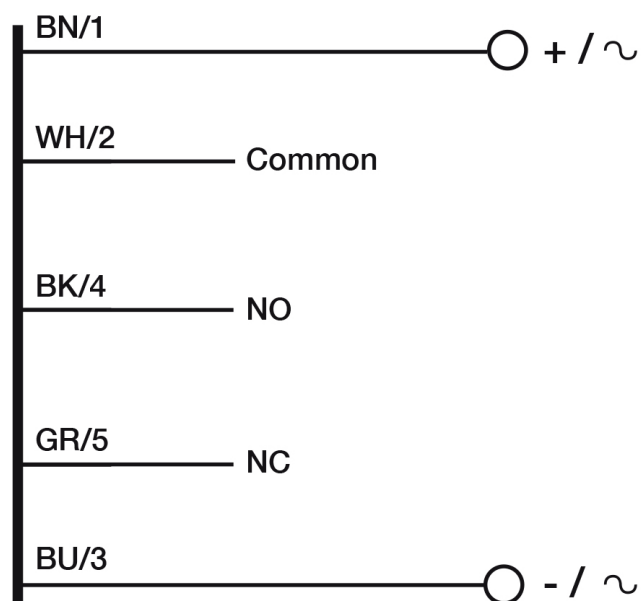
Generical Data

Dimensions	20x44,9x60mm
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Operating Temperature	- 25°C...+ 55°C (Without freeze)
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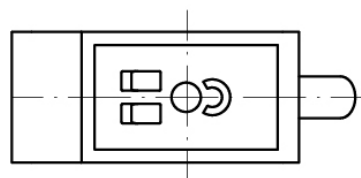
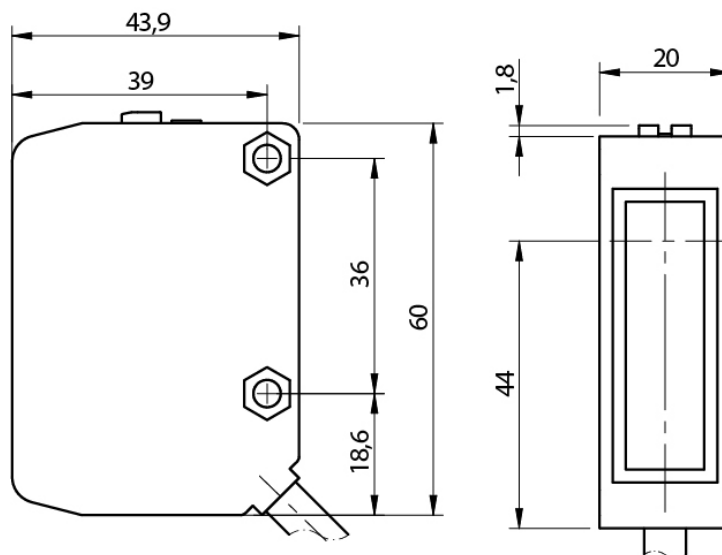
CONNECTIONS

Eletrical diagram

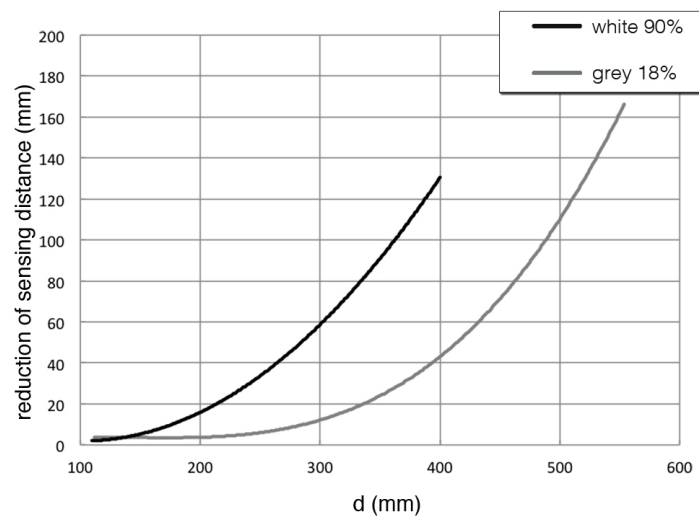


OTHERS

Dimensions



Response curves



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