

Product characteristics
Diffuse reflection sensor

Threaded type

M30 x 1.5

Terminals

Range 3...700mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design

Operating voltage [V]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

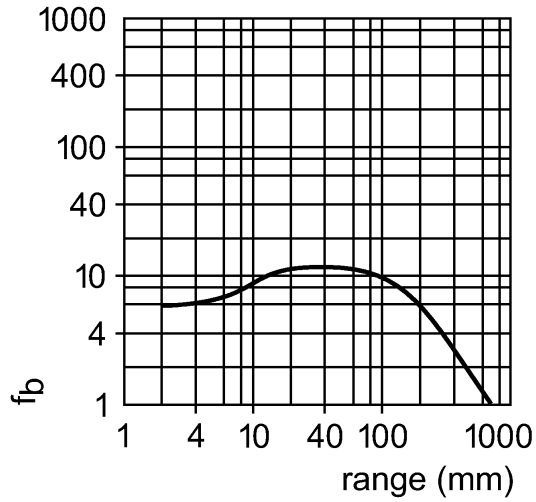
Monitoring range

Range [mm]

Light spot diameter [mm]

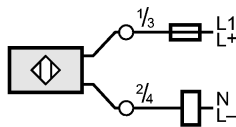
Excess gain graphs

	AC/DC
Operating voltage [V]	20...250 AC/DC (47...63 Hz AC)
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	no
Output function	light-on / dark-on programmable
Voltage drop [V]	< 10.5
Minimum load current [mA]	15
Leakage current [mA]	< 6
- Current rating (continuous) [mA]	250; 350 (...50 °C)
- Current rating (peak) [mA]	î: 2.2 A (10 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 35 DC
Range [mm]	3...700 (referred to white paper 200 x 200 mm)
Light spot diameter [mm]	122 (at maximum range)



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	309
Mechanical data	
Housing materials	PBT; modified PPO
Lens material	PMMA
Weight [kg]	0.12
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	terminals up to 1.5 mm ² ; cable diameter 7...13 mm, cable gland M20 x 1.5

Wiring



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)

Accessories	
Accessories (included)	2 lock nuts; screwdriver
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1