



## Diffuse reflection sensor

OGT-HBOA/90-250V

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No scale drawing available

#### Product characteristics

Type of light	infrared light
Housing	threaded type
Dimensions [mm]	M18 x 1

#### Application

Function principle	Diffuse reflection sensor
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#### Electrical data

Frequency AC [Hz]	47...63
Operating voltage [V]	90...250 AC/DC
Protection class	II
Type of light	infrared light
Wave length [nm]	880

# OG0014



## Diffuse reflection sensor

OGT-HBOA/90-250V

Outputs		
Output function		light-on mode
Max. voltage drop switching output DC [V]		9.5
Max. voltage drop switching output AC [V]		9.5
Minimum load current [mA]		10
Max. leakage current [mA]		5
Permanent current rating of switching output AC [mA]		200
Permanent current rating of switching output DC [mA]		50
Short-time current rating of switching output [mA]		900; (10 ms / 0,5 Hz)
Switching frequency AC [Hz]		25
Switching frequency DC [Hz]		70
Short-circuit protection		no
Overload protection		no
Detection zone		
Range [mm]		< 100; (white paper 200 x 200 mm 90% remission)
Operating conditions		
Ambient temperature [°C]		-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
Mechanical data		
Housing		threaded type
Dimensions [mm]		M18 x 1
Thread designation		M18 x 1
Materials		brass nickel-plated
Lens material		glass
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2 x
Remarks		
Pack quantity		1 pcs.

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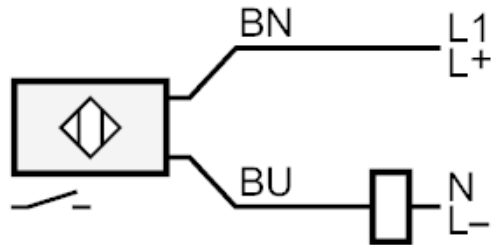
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### Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



Core colours :

BN = brown  
BU = blue

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