



Retro-reflective sensor

OGR-HBOA/90-250V

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Alternative article: OG0043 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!

No scale drawing available

Product characteristics

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

Application

Function principle	Retro-reflective 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



Retro-reflective sensor

OGR-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; (250 (...50 °C))
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	[m]	< 3; (Prismatic reflector Ø 80 E20005)
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
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.

OG0012



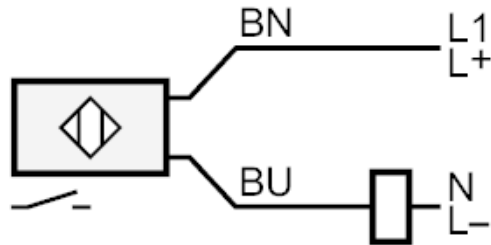
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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Core colours :

BN = brown
BU = blue

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