



Retro-reflective sensor

OGR-HBOA/90-250V

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Alternative articles: OG0043

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

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

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)



Retro-reflective sensor

OGR-HBOA/90-250V

Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	70
Short-circuit protection		no
Overload protection		no

Monitoring range

Range	[m]	< 3; (Prismatic reflector Ø 80 E20005)
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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
Material		brass nickel-plated
Lens material		glass

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied		lock nuts: 2
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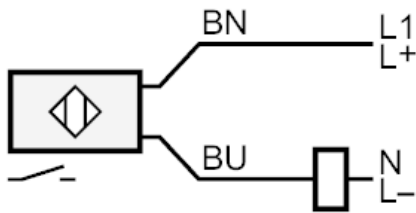
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



BN = Core colors : brown
BU = blue