OG0014

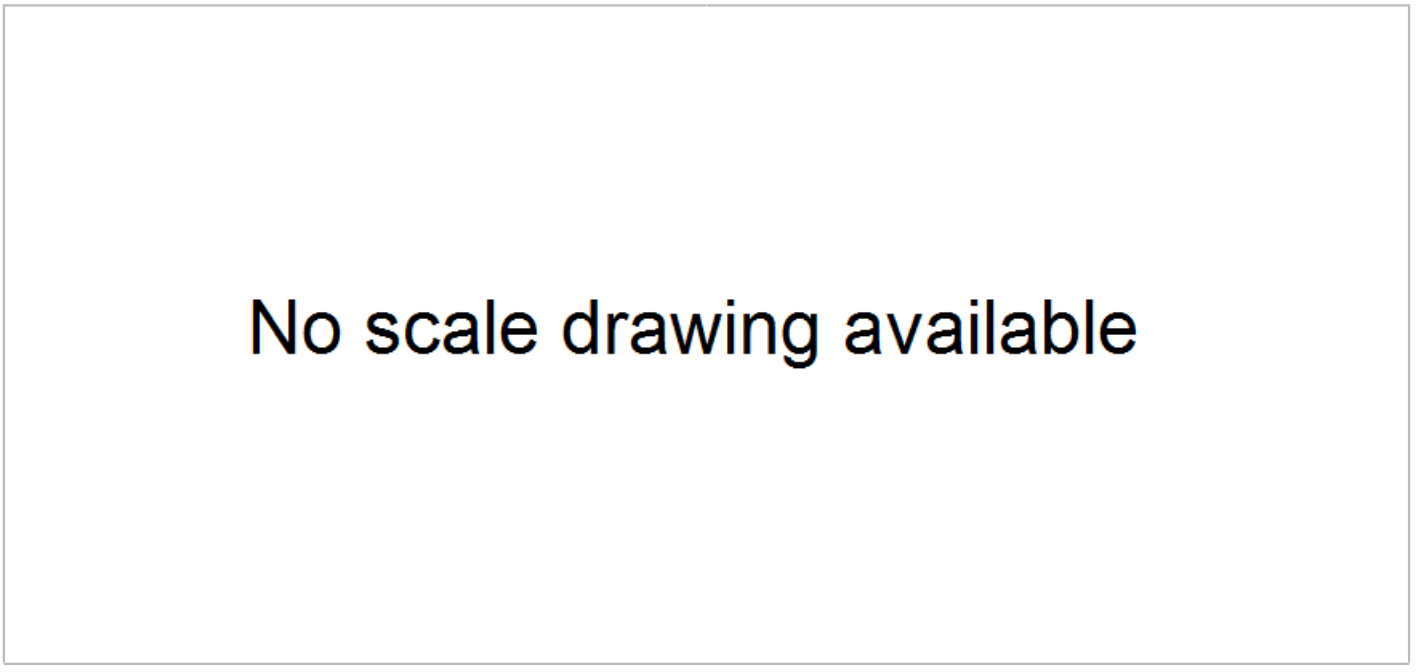
Diffuse reflection sensor

OGT-HBOA/90-250V

Article no longer available - archive entry

Alternative articles: OG0034

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Type of light		infrared light
Housing		threaded type
Application		
Function principle		Diffuse reflection sensor
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
Permanent current rating of switching output DC	[mA]	50
Short-time current rating of switching output	[mA]	900; (10 ms / 0,5 Hz)

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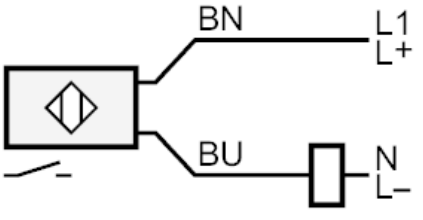
OGT-HBOA/90-250V

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			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Core colours :
BN = brown
BU = blue