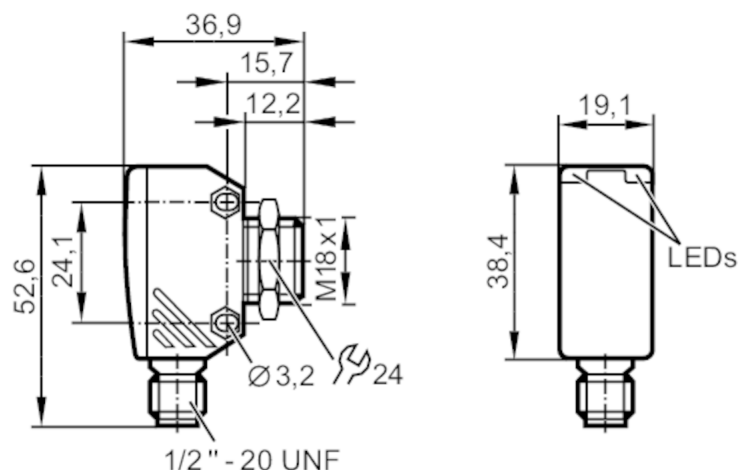


Diffuse reflection sensor with background suppression

OGH-XBOW/LS/CUBE/100MM



Application

Function principle	Diffuse reflection sensor
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Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II; (double insulated)
Type of light		red light
Wave length	[nm]	633

Outputs

Output function	light-on mode
Max. voltage drop switching output AC [V]	8
Minimum load current [mA]	5
Max. leakage current [mA]	1.7
Permanent current rating of switching output AC [mA]	150; (200 (...40 °C))
Short-time current rating of switching output [mA]	1200; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	20
Short-circuit protection	no
Overload protection	no

Detection zone

Range	[mm]	< 100; (white paper 200 x 200 mm 90 % remission)
Range adjustable		no
Max. light spot diameter	[mm]	11
Light spot dimensions refer to		at maximum range
Background suppression available		yes



Diffuse reflection sensor with background suppression

OGH-XBOW/LS/CUBE/100MM

Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011 emission	class B
MTTF	[years]	334
Mechanical data		
Weight	[g]	60.4
Housing		rectangular
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		diecast zinc; PEI
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Accessories (supplied)		lock nut: 1 x
Remarks		
Remarks		Do not connect without a load.
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x 1/2"		
		

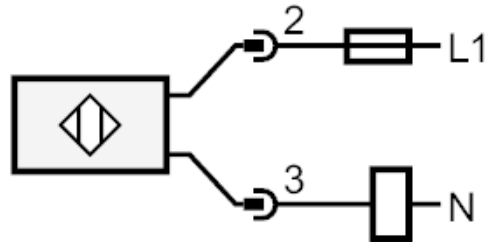
OGH080



Diffuse reflection sensor with background suppression

OGH-XBOW/LS/CUBE/100MM

Connection



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