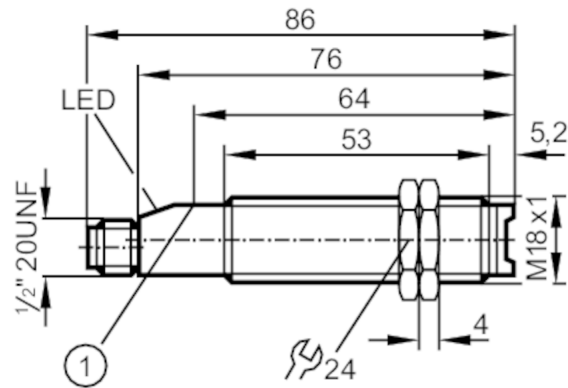




Retro-reflective sensor

OGP-HBOA/LS-100



1 pushbutton



Product characteristics		
Type of light		red light
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 76
Application		
Special feature		polarisation filter
Function principle		Retro-reflective sensor
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Type of light		red light
Wave length	[nm]	660



## Retro-reflective sensor

OGP-HBOA/LS-100

Outputs		
Output function	light-on mode	
Max. voltage drop switching output DC [V]	8	
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]	90; (180 (...40 °C))	
Permanent current rating of switching output DC [mA]	90; (180 (...40 °C))	
Short-time current rating of switching output [mA]	600; (20 ms / 0,5 Hz)	
Switching frequency AC [Hz]	25	
Switching frequency DC [Hz]	25	
Short-circuit proof	no	
Overload protection	no	
Detection zone		
Range referred to prismatic reflector [m]	3; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Max. light spot diameter [mm]	262	
Light spot dimensions refer to	at maximum range	
Polarisation filter available	yes	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
MTTF [years]	339	
Mechanical data		
Weight [g]	39	
Housing	threaded type	
Dimensions [mm]	M18 x 1 / L = 76	
Thread designation	M18 x 1	
Materials	PBT	
Lens material	PMMA	
Displays / operating elements		
Display	switching status	1 x LED, red
	function	1 x LED, red flashing light
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Accessories		
Accessories (supplied)	lock nuts: 2 x	



Retro-reflective sensor

OGP-HBOA/LS-100

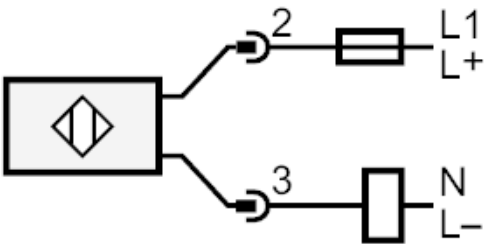
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x 1/2"



Connection



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

**Retro-reflective sensor**

OGP-HBOA/LS-100

**Diagrams and graphs**

excess gain graph

