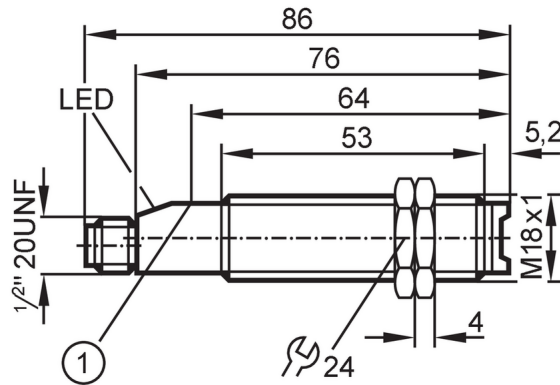




Retro-reflective sensor

OGP-DBOA/LS-100-AK



1 pushbutton



Product characteristics

Type of light	red light
Housing	Threaded type

Application

Special feature	polarization filter
Function principle	Retro-reflective sensor
Application	Industrial applications

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

Outputs

Output function		dark-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



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Monitoring range	
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
Polarization filter available	yes

Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
MTTF [years]	339

Mechanical data	
Weight [g]	39.2
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 76
Thread designation	M18 x 1
Material	housing: PBT
Lens material	front lens:PMMA

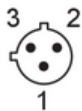
Displays / operating elements		
Display	Switching status	1 x LED, red
	Function	1 x LED, red flashing

Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting

Accessories	
Items supplied	lock nuts: 2

Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

Electrical connection	
Connector: 1 x 1/2"; coding: C; Contacts: 3	

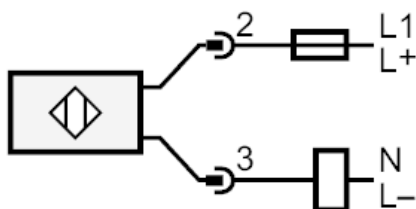




Retro-reflective sensor

OGP-DBOA/LS-100-AK

Connection



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

Diagrams and graphs

excess gain graph

