

OI0001



Retro-reflective sensor

OIR-FBOA

Overload protection	no	
Monitoring range		
Range referred to prismatic reflector [m]	0.1...4; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Max. light spot diameter [mm]	280	
Light spot dimensions refer to	at maximum range	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	309	
Mechanical data		
Weight [g]	120.5	
Housing	Threaded type	
Dimensions [mm]	M30 x 1.5 / L = 125	
Thread designation	M30 x 1.5	
Material	PBT; PPO modified	
Lens material	PMMA	
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		
Items supplied	lock nuts: 2	
	screwdrivers	
Remarks		
Remarks	Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity	1 pcs.	

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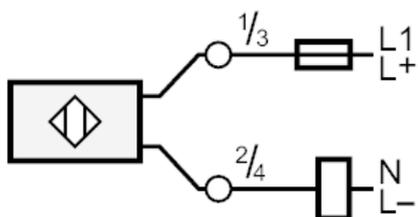
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Electrical connection

terminals: ...1.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection



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

Diagrams and graphs

excess gain graph

