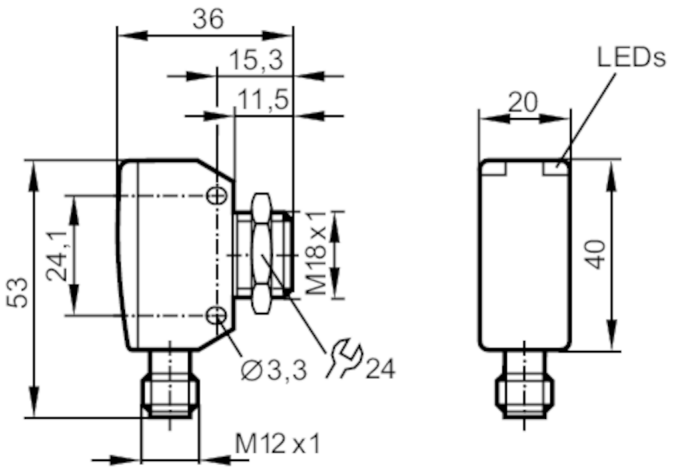
OGE381

Through-beam sensor receiver

OGE-HPKG/US/V4A/CUBE



transmitter in lower lens
receiver in upper lens

Product characteristics		
Type of light		red light
Housing		rectangular with M18 thread
Application		
Function principle		Through-beam sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	20
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624
Outputs		
Electrical design		PNP
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	150; (200 (...60 °C))
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Transmitter / receiver		receiver
Range	[m]	< 15
Range adjustable		no

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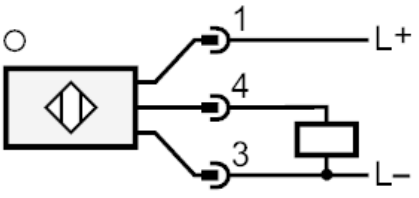
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65; IP 67; IP 68; IP 69K	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	961	
Mechanical data			
Weight	[g]	78	
Housing		rectangular with M18 thread	
Dimensions	[mm]	53 x 20 x 36	
Thread designation		M18 x 1	
Materials		1.4542 (17-4 PH / 630); PEI	
Lens material		PEI	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Accessories			
Items supplied		lock nut: 1, stainless steel	
Remarks			
Remarks		operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection



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Diagrams and graphs

excess gain graph

