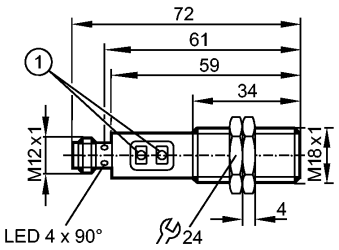
OGT500

OGT-FPKG/US100

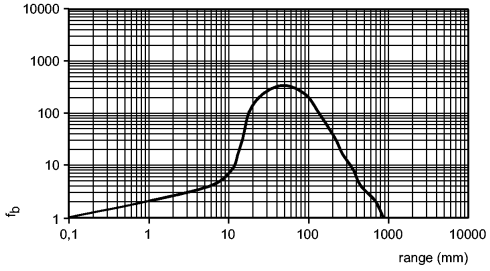
Photoelectric sensors



1: Programming buttons

Product characteristics		
Diffuse reflection sensor		
Threaded type		
M18 x 1		
Quick disconnect		
Electronic lock		
Teach function		
Range 2...800mm (Range referred to white paper 200 x 200 mm, 90 % remission)		
adjustable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC [1])
Current consumption	[mA]	25
Type of light		red light 624 nm
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		light-on / dark-on programmable
Factory setting		light-on mode
Voltage drop	[V]	< 2.5
Current rating	[mA]	150; 200 (...60 °C)
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	2000
Monitoring range		
Range	[mm]	2...800 (Range referred to white paper 200 x 200 mm, 90 % remission)
Light spot diameter	[mm]	66 (at maximum range)

Excess gain graphs



efector200

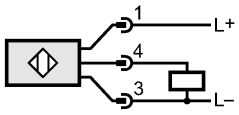
OGT500

OGT-FPKG/US100

Photoelectric sensors

Measuring / setting range		
Setting range	[mm]	150...800
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	473
Mechanical data		
Housing materials		stainless steel 316L / 1.4404; PA; LCP; EPDM; TPU (urethane)
Lens material		PMMA
Weight	[kg]	0.06
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		M12 connector

Wiring



Accessories		
Accessories (included)		2 lock nuts
Remarks		
Remarks		[1]) cULus - Class 2 source required
Pack quantity	[piece]	1