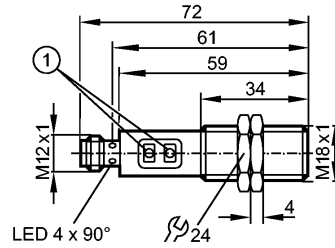


**OGT500**

OGT-FPKG/US100

Photoelectric sensors



1: Programming buttons

Made in Germany



**Product characteristics**

Diffuse reflection sensor

Threaded type

M18 x 1

Connector

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 <sup>1)</sup>

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]

200 (...60 °C) / 150 (...80 °C)

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

2000

**Range**

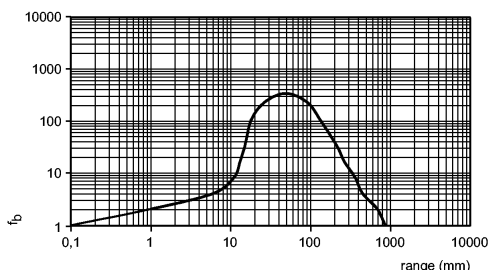
Range [mm]

2...800 (Range referred to white paper 200 x 200 mm, 90 % remission)

Light spot diameter [mm]

66 ( at maximum range )

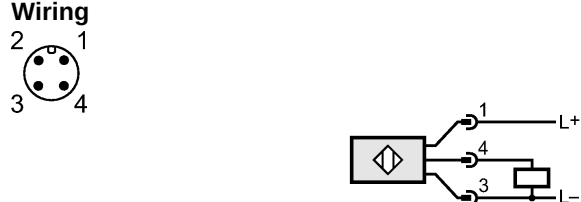
**Excess gain graphs**



## 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
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	<sup>1)</sup> cULus - Class 2 source required
Pack quantity	[piece] 1