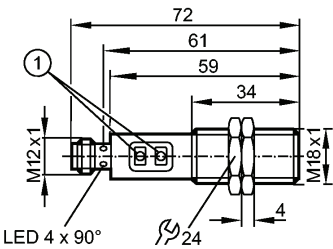


OGT500

OGT-FPKG/US100

Photoelectric sensors



1: Programming buttons



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 ¹⁾
Current consumption [mA]	25
Type of light	Red light 624 nm
Protection class	II
Reverse polarity protection	yes

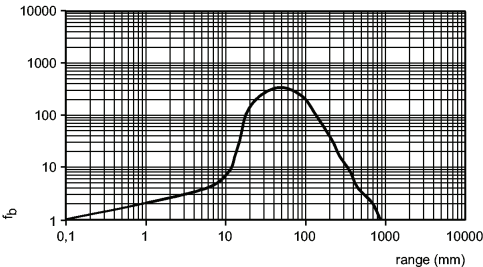
Outputs

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	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

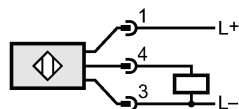
Displays / operating elements

Output status indication LED yellow

Electrical connection

Connection M12 connector

Wiring



Accessories

Accessories (included) 2 lock nuts

Remarks

Remarks ¹⁾ cULus - Class 2 source required

Pack quantity [piece] 1