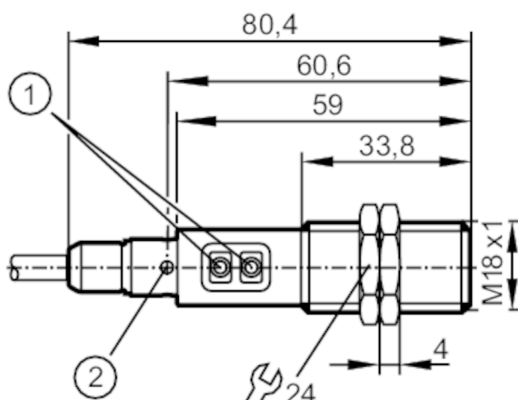


OGT501



Diffuse reflection sensor

OGT-FPKG/2M



- 1 programming buttons
2 x LED 4 x 90°



Application

Function principle Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	25
Protection class	II
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	624

Outputs

Electrical design	PNP
Output function	light-on/dark-on mode; (programmable)
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]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range [mm]	2...800; (white paper 200 x 200 mm 90 % remission)
Factory setting	\$Hellschaltung
Range adjustable	yes
Max. light spot diameter [mm]	66
Light spot dimensions refer to	at maximum range
Monitoring range final value [mm]	150...800

OGT501

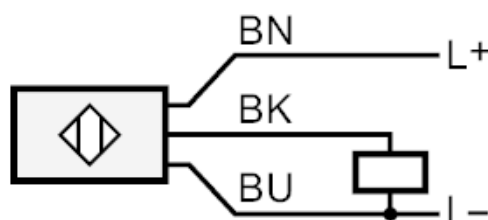


Diffuse reflection sensor

OGT-FPKG/2M

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	473
Mechanical data		
Weight	[g]	122
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 80.4
Thread designation		M18 x 1
Materials		stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
Teach function		yes
Electronic lock		yes
Accessories		
Accessories (supplied)		lock nuts: 2 x
Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 3 x 0.34 mm ²		

Connection



Core colours :

BK =	black
BN =	brown
BU =	blue

OGT501



Diffuse reflection sensor

OGT-FPKG/2M

Diagrams and graphs

excess gain graph

