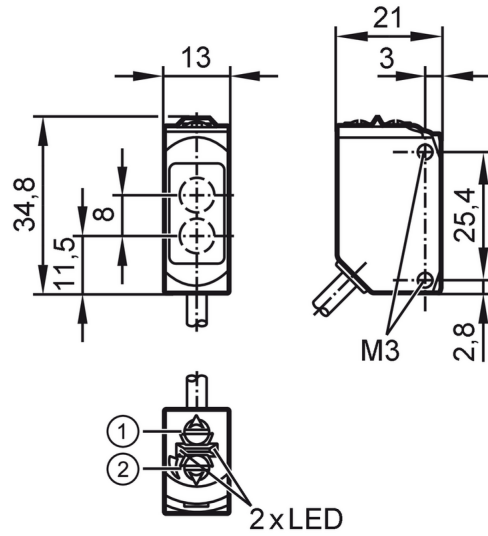


O6T402



Diffuse reflection sensor

O6T-FPKG/5M



- 1 output function switch
- 2 potentiometer sensitivity receiver in upper lens transmitter in lower lens



Product characteristics	
Type of light	red light
Housing	rectangular
Application	
Function principle	Diffuse reflection sensor
Application	suited for use in the machine tool industry
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	16; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	633
Outputs	
Electrical design	PNP
Output function	light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Detection zone	
Range [mm]	5...500; (white paper 200 x 200 mm 90% remission)

O6T402



Diffuse reflection sensor

O6T-FPKG/5M

Setting range	[mm]	100...500
Range adjustable		yes
Max. light spot diameter	[mm]	15
Light spot dimensions refer to		at maximum range

Operating conditions

Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67; IP 68

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	896
UL approval	Ta	-25...60 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval no.	E018

Mechanical data

Weight	[g]	140
Housing		rectangular
Dimensions	[mm]	34.8 x 13 x 21
Materials		housing: stainless steel (316L/1.4404); plastics: PPSU; Sealing: FKM
Lens material		front pane:PMMA
Lens alignment		side lens
Tightening torque	[Nm]	1; (screws)

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Remarks

Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

O6T402



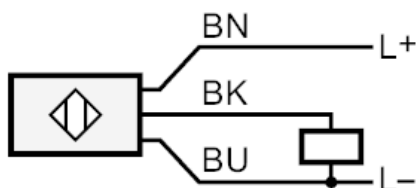
Diffuse reflection sensor

O6T-FPKG/5M

Electrical connection

Cable: 5 m, PUR; 3 x 0.25 mm²

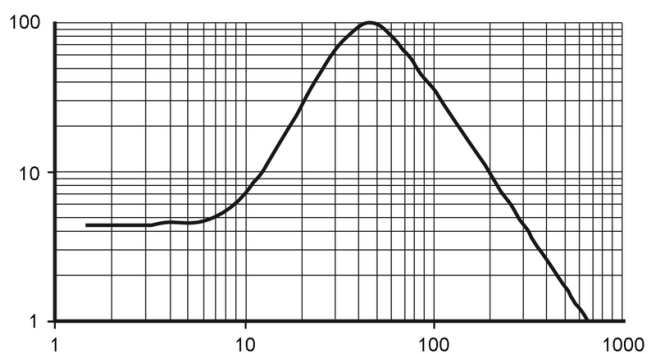
Connection



Core colours :
BN = brown
BK = black
BU = blue

Diagrams and graphs

excess gain graph



x: distance [mm]
y: excess gain factor