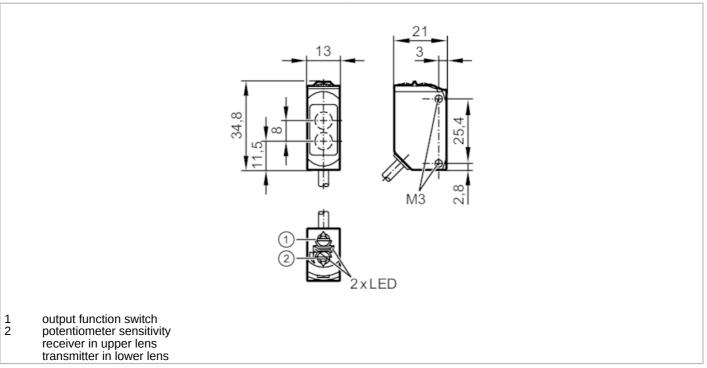
O6T403

Diffuse reflection sensor

O6T-FNKG/5M





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]	1030 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		NPN		
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		

O6T403

Diffuse reflection sensor



O6T-FNKG/5M

Detection zone						
Range	[mm]	5500; (white paper 200 x 200 mm 90% remission)				
Setting range	[mm]	100500				
Range adjustable		yes				
Max. light spot diameter	[mm]	15				
Light spot dimensions refer to		at maximum range				
Operating conditions						
Ambient temperature	[°C]	-2560				
Protection		IP 65; IP 67; IP 68				
Tests / approvals						
EMC		EN 60947-5-2				
MTTF	[years]	896				
UL approval		UL Approval no. E018				
Mechanical data						
Weight	[g]	133.3				
Housing		rectangular				
Dimensions	[mm]	34.8 x 13 x 21				
Materials		housing: stainless steel (316L/1.4404); plastics: PPSU; Sealing: FKM				
Lens material		РММА				
Lens alignment		side lens				
Tightening torque	[Nm]	1; (screws)				
Displays / operating eler	nents					
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.				

O6T403

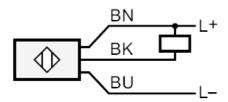
Diffuse reflection sensor

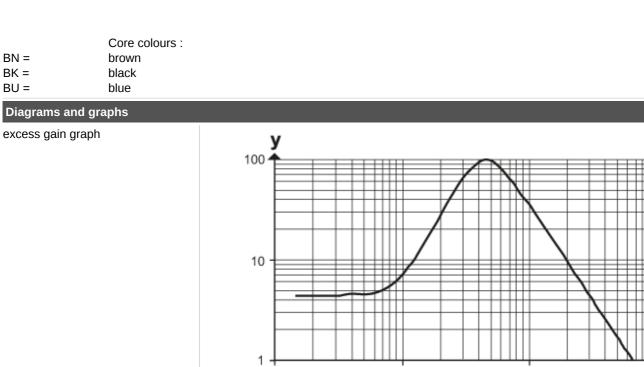
O6T-FNKG/5M

Electrical connection

Cable: 5 m, PUR; 3 x 0.25 mm²

Connection







y: excess gain factor

1



1000

10

100