



Specifications

Optical data	
Mouth width	2mm or 5mm
Timing	
Switching frequency	5000Hz
Response time	0.1ms
Delay before start-up	≤ 100ms
Electrical data	
Operating voltage U_B ¹⁾	10 ... 30VDC (incl. residual ripple)
Residual ripple	≤ 15% of U_B
Bias current	≤ 30mA
Switching output	1 PNP transistor output 1 NPN transistor output
Function characteristics	light/dark switching
Signal voltage high/low	≥ ($U_B - 2V$)/≤ 2V
Output current	250mA
Sensitivity	adjustable with multiturn potentiometer
Indicators	
LED yellow	light path free
Mechanical data	
Housing	aluminium, anodised
Weight	120g
Connection type	cabl 2000mm (cross section 5x0.25mm ²)
Environmental data	
Ambient temp. (operation/storage)	-20°C ... +60°C/-30°C ...+70°C
Protective circuit ²⁾	1, 2
VDE safety class	III
Protection class	IP 65

1) Functional extra-low voltage with reliable disconnection or protective extra-low voltage (VDE 0100/T 410)
 2) 1=polarity reversal protection, 2=short-circuit protection for all outputs

Tables

Diagrams

Order guide

Selection table		Order code →						
Equipment ↓		GS 05/24 G Part No. 500 21435	GS 05/24 GD Part No. 500 21436	GS 05/24 G.1 Part No. 500 23112	GS 05/24 GD.1 Part No. 500 23114			
Switching	light switching	●		●				
	dark switching		●		●			
Mouth width	2mm	●	●					
	5mm			●	●			

Remarks