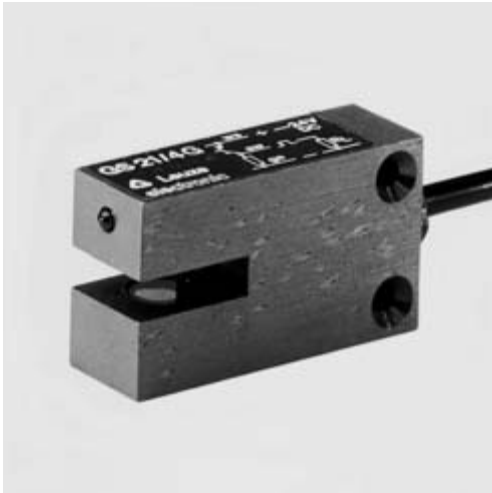


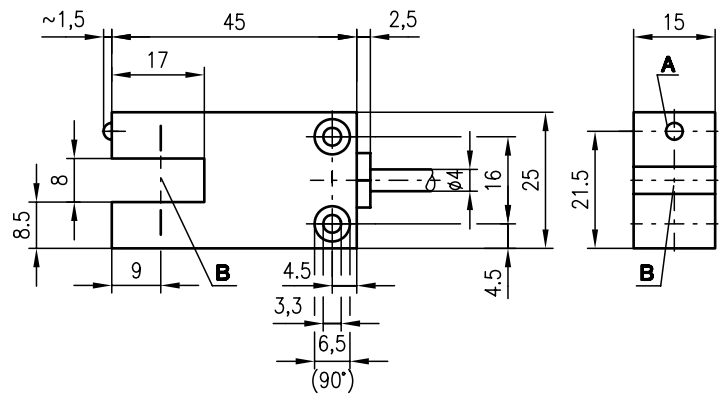


GS 21

Forked photoelectric sensors



Dimensioned drawing



A Indicator diode
B Optical axis

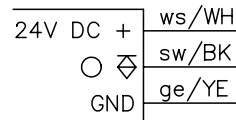


8mm



- GaAs top photoelectric sensor in constant light operation with gallium arsenide transmitter diode ensures a long lifetime
• Fast amplifier with high switching frequency for detection of short events (e.g. gaps between labels)
• Transistor output - separate switching amplifier not required
• Insensitive to interference due to low impedance output
• Indicator diode displays the switching state

Electrical connection



Accessories:

We reserve the right to make changes • GS_a13e.fm



Specifications

Optical data	
Mouth width	8mm
Timing	
Switching frequency	1000Hz
Response time	0.5ms
Electrical data	
Operating voltage U_B ¹⁾	24VDC, filtered $\pm 10\%$
Residual ripple	$\leq 15\%$ of U_B
Bias current	$\leq 90mA$
Switching output	1 PNP transistor output
Function characteristics	light switching
Signal voltage high/low	$\geq (U_B - 2V) / \leq 2V$
Output current	100mA
Indicators	
LED red	light path free
Mechanical data	
Housing	aluminium, anodised
Weight	120g
Connection type	cable 5000mm (cross section 3x0.25mm 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

Designation	Part No.
GS 21/4 G	500 13967

Remarks