SGR 1-160-016-B1-B-04-3F

Self-Contained Light Curtains

Light Curtains

Compatible Transmitter:

SGT 1-160-016-B1-B-00-3F



Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	12 - 36 V dc
Connection	3 m flexible cable
Sensing Range	4 m
Number of Channels	16
Output	Solid State Relay
Output Status	N.O.
Response	< 40 ms
Length	1600 mm
Active Height	1385 mm
Housing	37,5 x 13 mm
Features	Time-out Function

Technical Data	
Supply Voltage	12 – 36 V dc
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	50 mA
Output Rating	200 mA
Spacing between bottom & Ch1	25 mm
Distance, Beams Pinch Point	46 mm
Channel Spacing	92 mm
Response Time	< 40 ms
Power On Indicator	Green LED
Output Indicator	Yellow LED
System Status Indicator	Red LED
Time-out Function	Up to 2 non-adjacent channels, selectable

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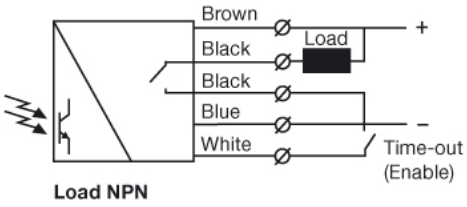
Profile Dimensions (w x d)	Leading Edge (B), 37,5 x 13 mm
Housing Material, Front Lens	Polycarbonate
Housing Material, Profile	Aluminium (black anodised)
Cable	5 x 0,14 mm²
Cable Sleeve	PVC Ø 4,1 mm

Environmental Data	
Operation Temperature	–20 to +65 °C
Storage Temperature	–40 to +80 °C
Sealing Class	IP 54
Light Immunity 5˚	> 100 000 lux

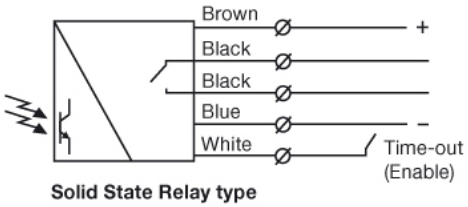
Approvals

CE UK CA

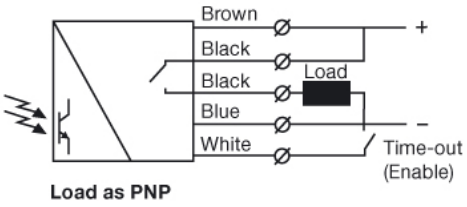
Wiring Diagram



Load NPN



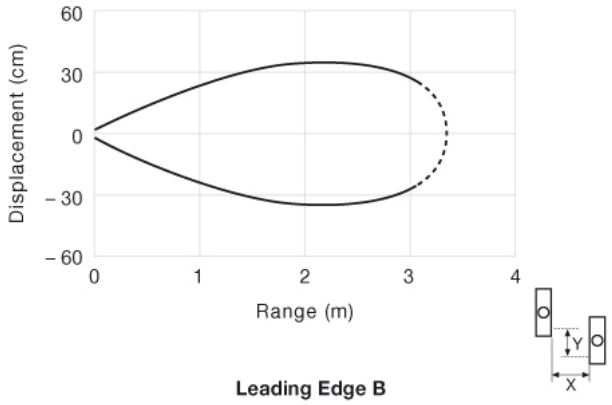
Solid State Relay type



Load as PNP

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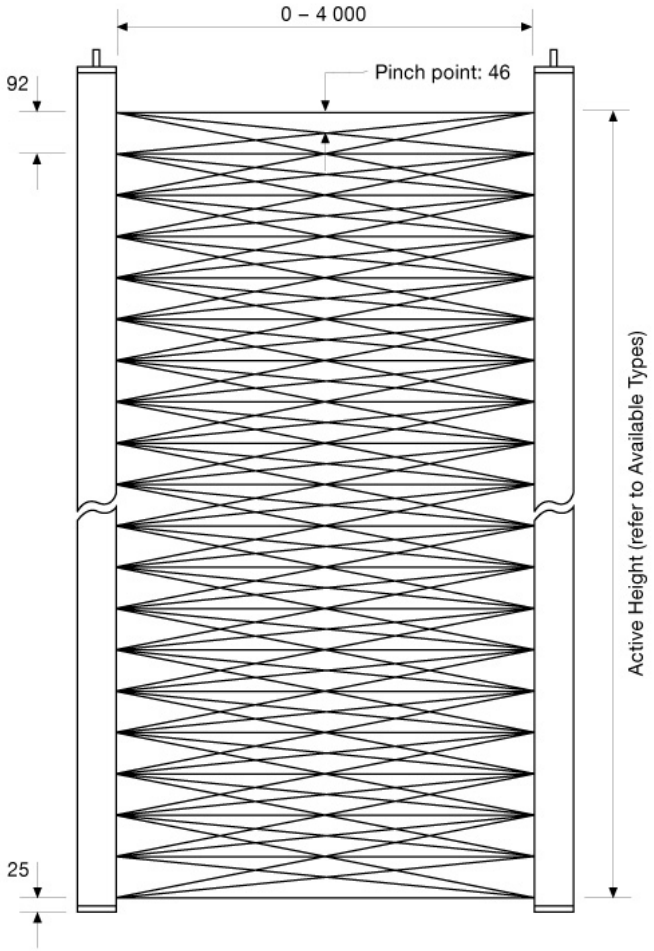
Parallel Displacement



Leading Edge B

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Beam Patterns

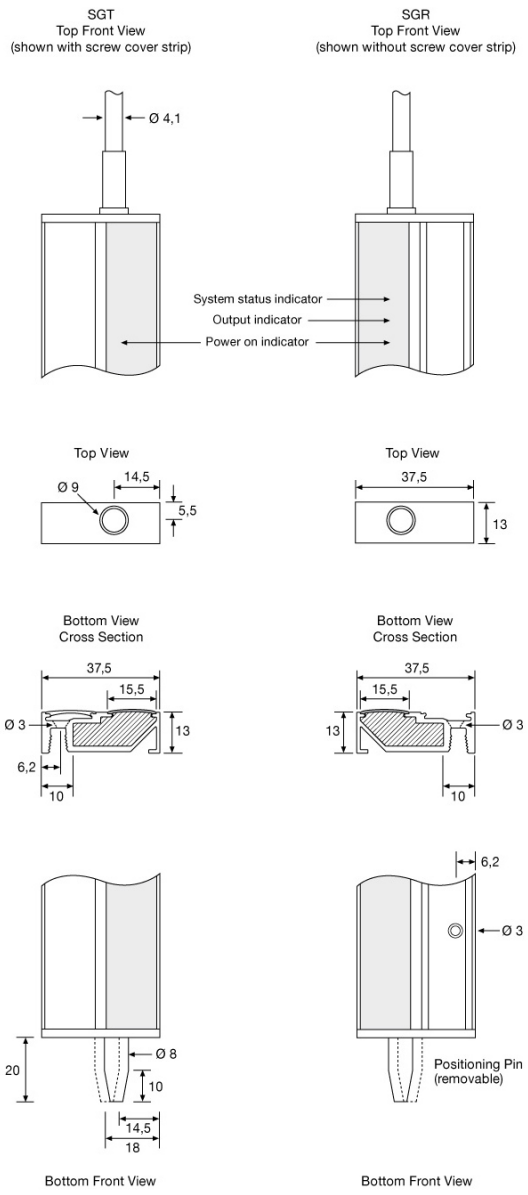


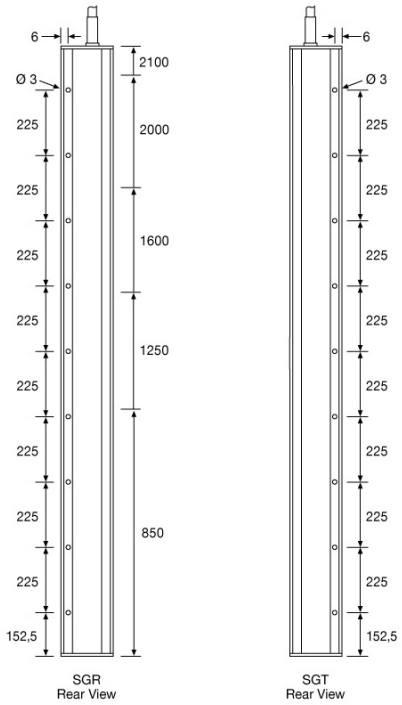
92 mm channel spacing

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Dimensions

Details





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