SGR 14-085-016-A1-D-08-5

Self-Contained Light Curtains

Light Curtains

Compatible Transmitter:

SGT 14-085-016-A1-D-01-5



Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	12 - 36 V dc
Connection	5 m cable
Sensing Range	7,5 m
Number of Channels	16
Output	Solid State Relay
Output Status	N.O.
Response	24 ms
Length	850 mm
Active Height	695 mm
Housing	38,4 x 14 mm
Features	Dynamic Sequential Blanking 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
Channel Spacing	46 mm
Power On Indicator	Green LED
Output Indicator	Yellow LED
System Status Indicator	Red LED
Min. / Max. Sequencial Blanking Speed	1,6 m/s / 0,05 m/s
Profile Dimensions (w x d)	Leading Edge (D), 38,4 x 14 mm
Housing Material, Front Lens	Polycarbonate

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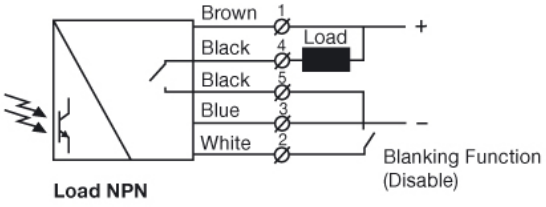
Housing Material, Profile	Aluminium (black anodised)
Cable	5 x 0,20 mm²
Cable Sleeve	PVC Ø 4,9 mm

Environmental Data	
Operation Temperature	–20 to +65 °C
Storage Temperature	–40 to +80 °C
Sealing Class	IP 67
Light Immunity 5˚	> 100 000 lux

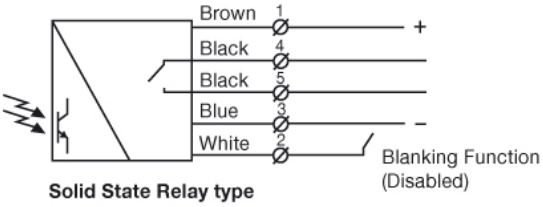
Approvals

CE UK CA

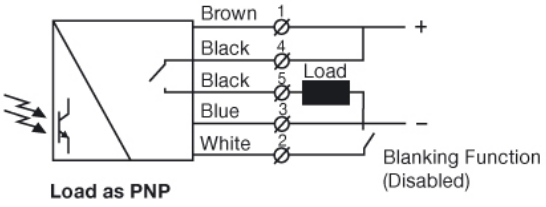
Wiring Diagram



Load NPN



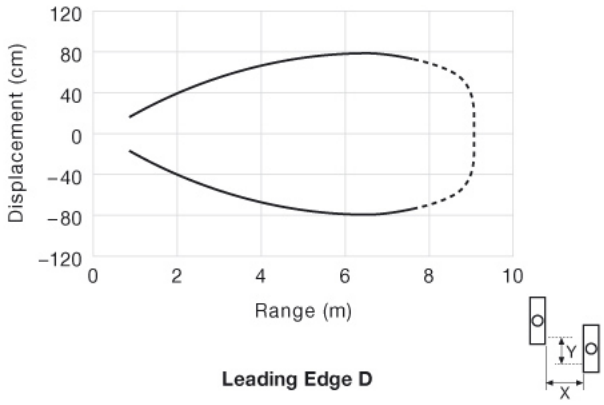
Solid State Relay type



Load as PNP

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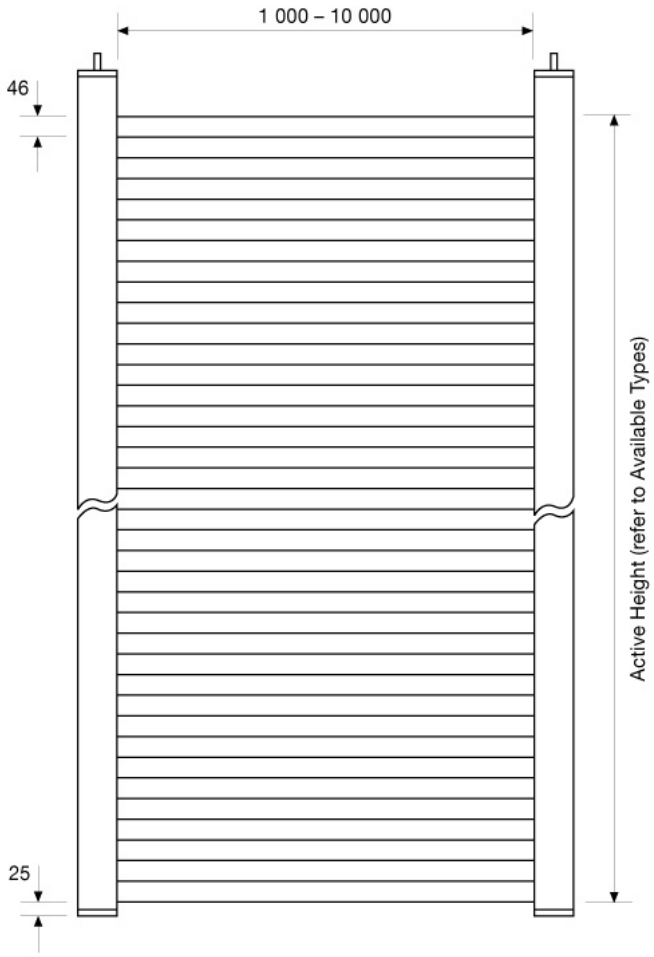
Parallel Displacement



Leading Edge D

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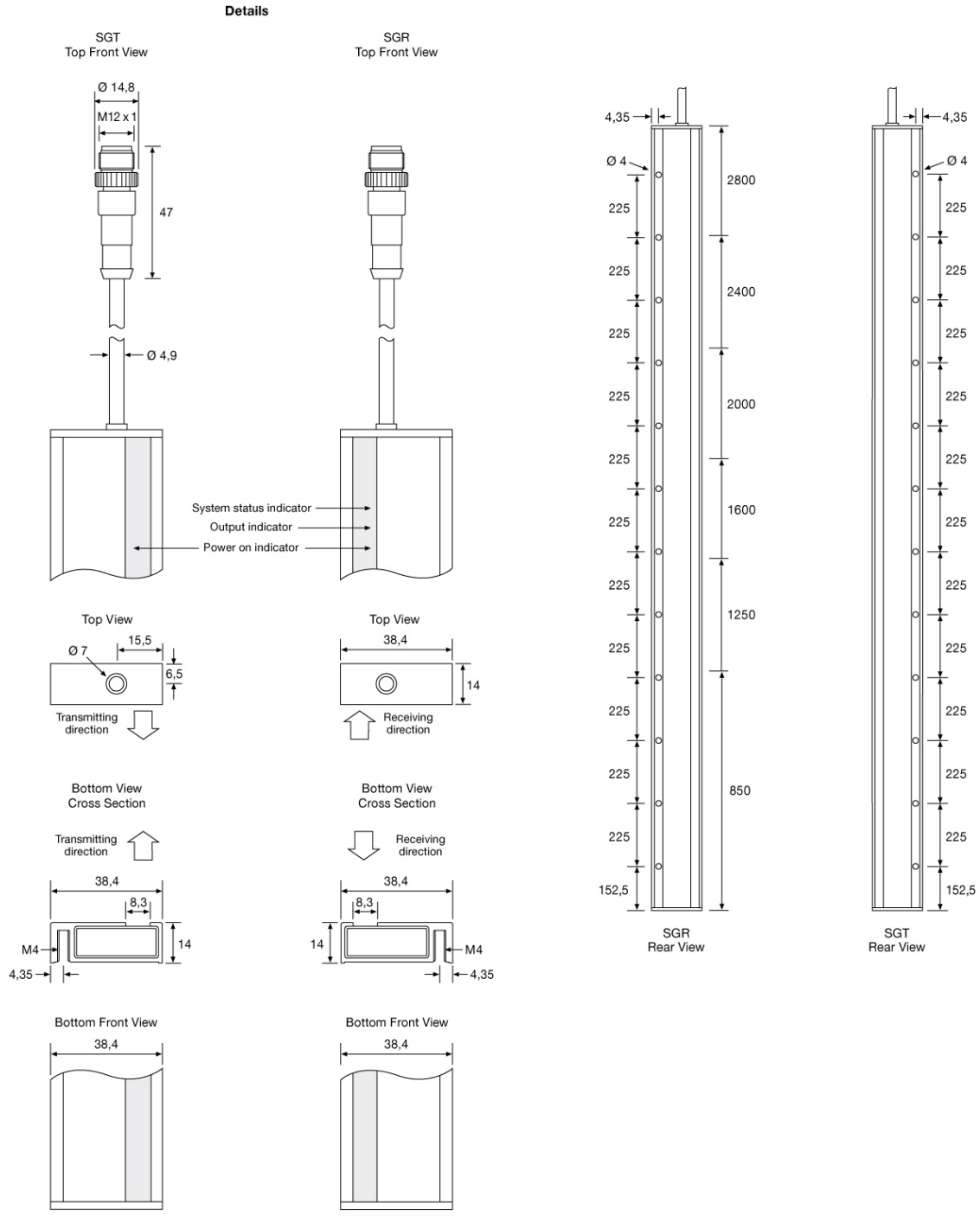
Beam Patterns



46 mm channel spacing

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Dimensions



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