SGT 1-085-016-A1-A-00-3F

Self-Contained Light Curtains

Light Curtains



Compatible Receivers:

SGR 1-085-016-A1-A-04-3F
SGR 1-085-016-A1-A-05-3F

Product Data	
Function	Transmitter
Operation Mode	Thru Beam
Supply Voltage	12 - 36 V dc
Connection	3 m flexible cable
Sensing Range	4 m
Number of Channels	16
Length	850 mm
Active Height	695 mm
Housing	10 x 28 mm

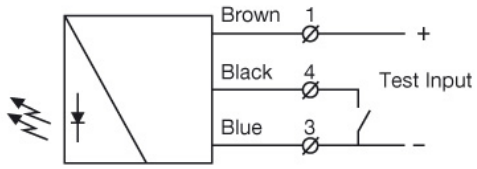
Technical Data	
Supply Voltage	12 – 36 V dc
Reverse Polarity Protected	Yes
Current Consumption	Max. 100 mA
Spacing between bottom & Ch1	25 mm
Distance, Beams Pinch Point	23 mm
Channel Spacing	46 mm
Test Input	Yes
Power On Indicator	Green LED
Time-out Function	Up to 4 non-adjacent channels, selectable
Light Source	Infrared (940 nm)
Profile Dimensions (w x d)	Slim Line (A), 10 x 28 mm
Housing Material, Front Lens	Polycarbonate
Housing Material, Profile	Aluminium (black anodised)
Cable	3 x 0,14 mm²
Cable Sleeve	PVC Ø 4,1 mm

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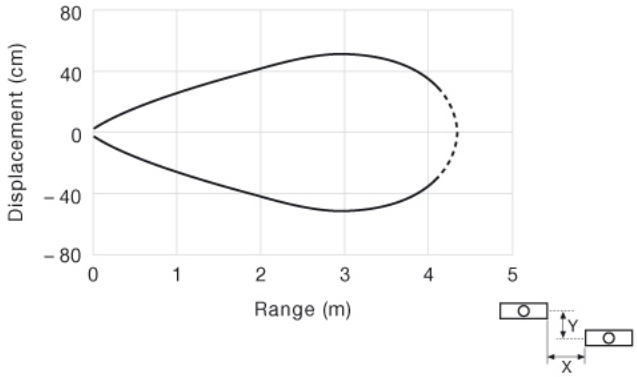
Environmental Data	
Operation Temperature	–20 to +65 °C
Storage Temperature	–40 to +80 °C
Sealing Class	IP 54
Light Immunity 5˚	> 100 000 lux

Approvals

Wiring Diagram



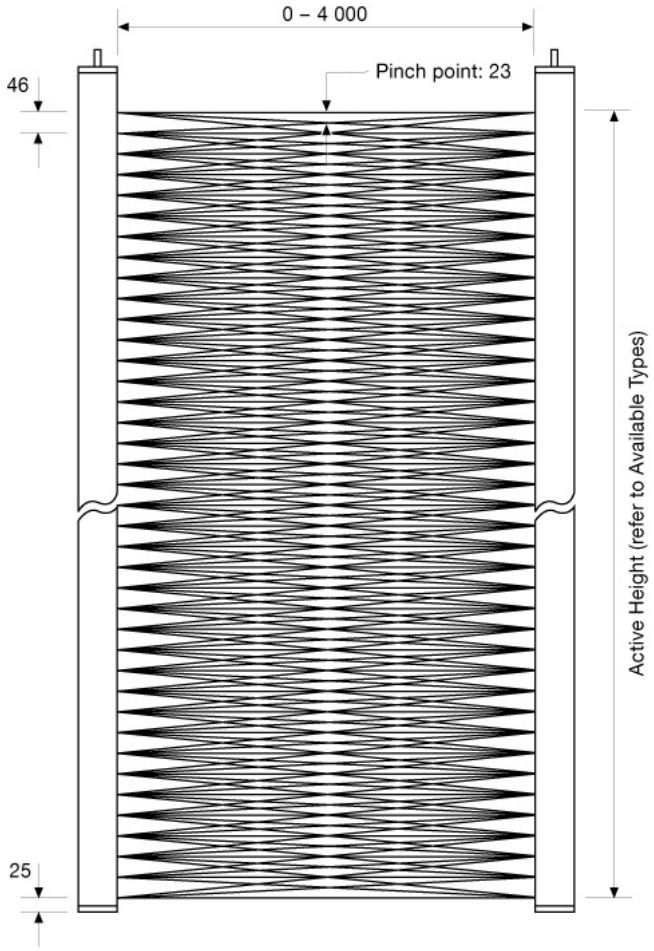
Parallel Displacement



Slim Line A and Water-Resistant Slim Line C

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Beam Patterns

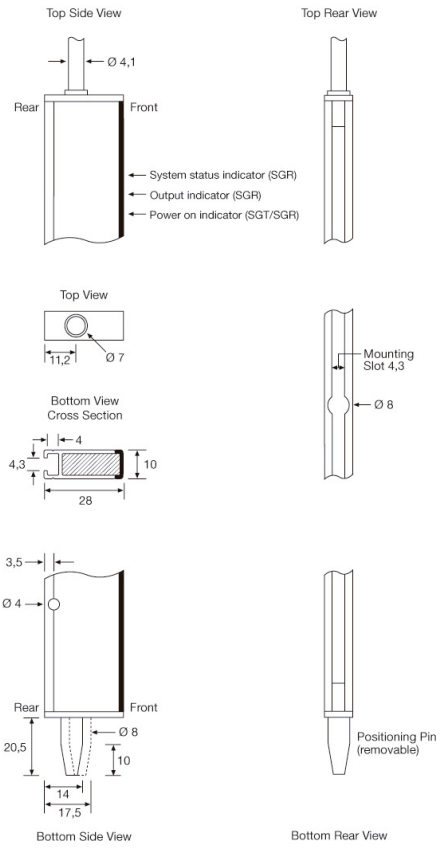


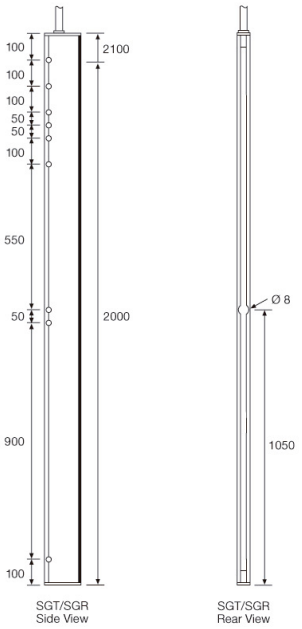
46 mm channel spacing

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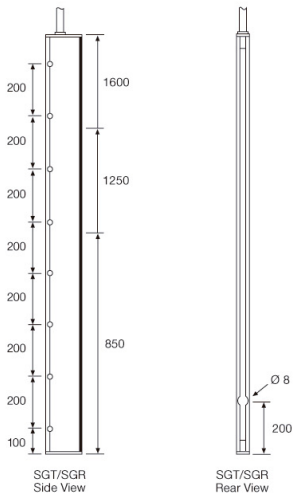
Dimensions

Details





SGT/SGR 1-200/210



SGT/SGR 1-085/125/160

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