# SGR 1-210-040-A1-A-04-3F

## Self-Contained Light Curtains

Light Curtains

**Compatible Transmitter:**

SGT 1-210-040-A1-A-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 | 40 |
| Output | Solid State Relay |
| Output Status | N.O. |
| Response | < 80 ms |
| Length | 2100 mm |
| Active Height | 1800 mm |
| Housing | 10 x 28 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 | 23 mm |
| Channel Spacing | 46 mm |
| Response Time | < 80 ms |
| Power On Indicator | Green LED |
| Output Indicator | Yellow LED |
| System Status Indicator | Red LED |
| Time-out Function | Up to 4 non-adjacent channels, selectable |

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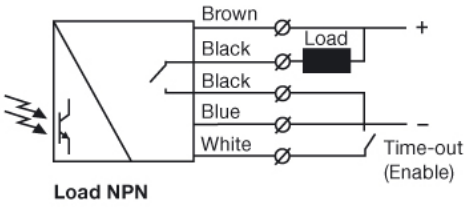
| | |
|---|---|
| Profile Dimensions (w x d) | Slim Line (A), 10 x 28 mm |
| Housing Material, Front Lens | Polycarbonate |
| Housing Material, Profile | Aluminium (black anodised) |
| Cable | 5 x 0,14 mm² |
| Cable Sleeve | PVC Ø 4,1 mm |

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

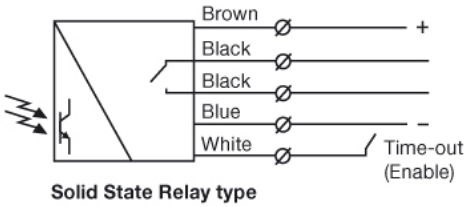
## Approvals

CE UK CA

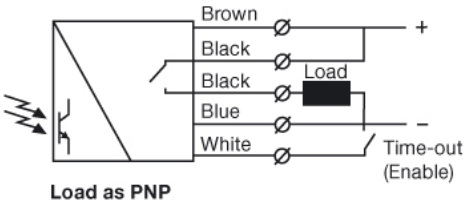
## Wiring Diagram



Load NPN



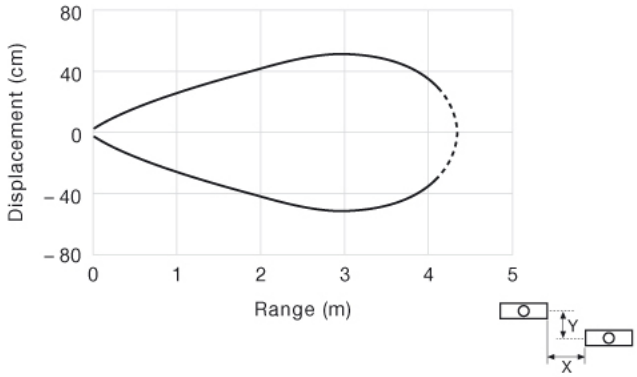
Solid State Relay type



Load as PNP

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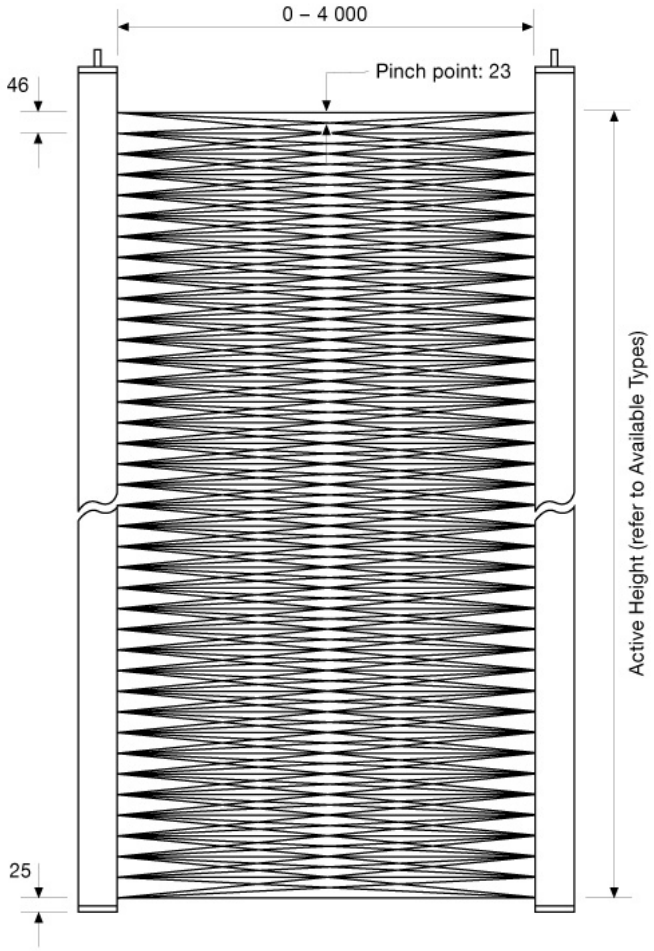
**Parallel Displacement**




**Slim Line A**
**and**
**Water-Resistant Slim Line C**

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## Beam Patterns

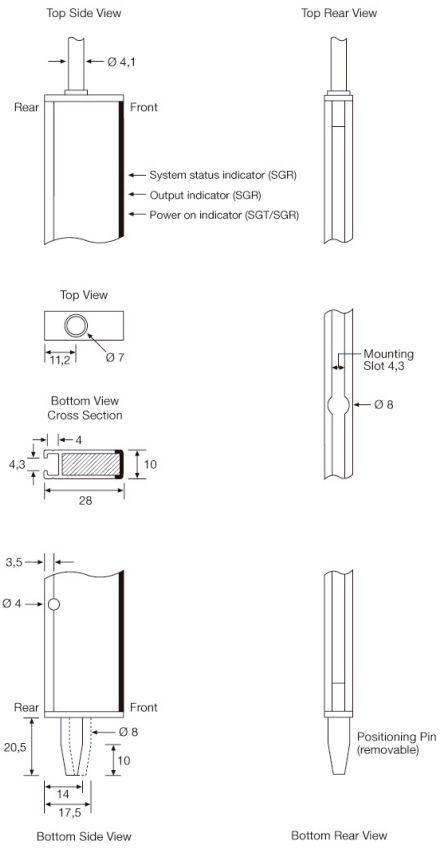


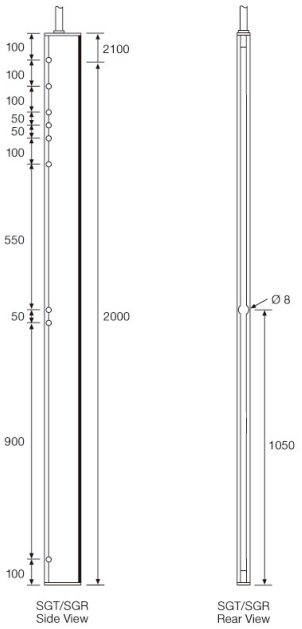

**46 mm channel spacing**

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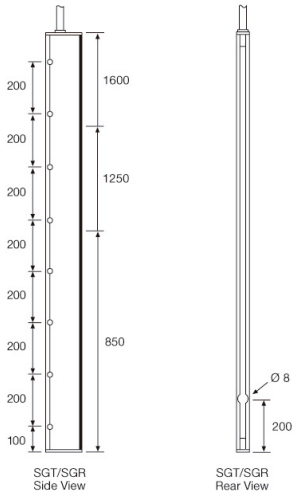
## Dimensions

**Details**




**SGT/SGR 1-200/210**




**SGT/SGR 1-085/125/160**

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