# SGR 13-085-016-C1-K-09-5

## Self-Contained Light Curtains

Light Curtains

**Compatible Transmitter:**

SGT 13-085-016-C1-K-01-15



| Product Data | |
|---|---|
| Function | Receiver |
| Operation Mode | Thru Beam |
| Supply Voltage | 12 - 30 V dc |
| Connection | 5 m cable |
| Sensing Range | 10 m |
| Number of Channels | 16 |
| Output | Solid State Relay |
| Output Status | N.C. |
| Response | 50 ms |
| Length | 868 mm |
| Active Height | 720 mm |
| Housing | 19,5 mm x 14,8 mm |
| Features | Dynamic Sequential Blanking Function |

| Technical Data | |
|---|---|
| Supply Voltage | 12 - 30 V dc |
| Reverse Polarity Protected | Yes |
| Short Circuit Protected | Yes |
| Current Consumption | 30 mA |
| Output Rating | 100 mA |
| Spacing between bottom & Ch1 | 45 mm |
| Channel Spacing | 45 mm |
| Power On Indicator | Green LED |
| Output Indicator | Yellow LED |
| System Status Indicator | Red LED |
| Profile Dimensions (w x d) | K Profile, 19,5 mm x 14,8 mm |
| Housing Material, Front Lens | Polycarbonate |
| Housing Material, Profile | Aluminium (black anodised) |

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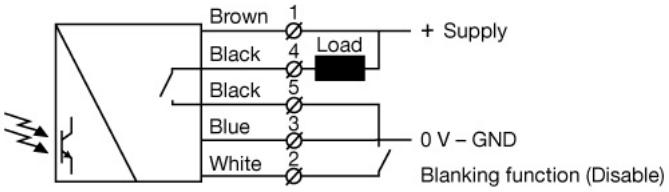
| | |
|---|---|
| Cable | 5 x 0,20 mm² |
| Cable Sleeve | PVC Ø 4,9 mm |
| Max. Sequencial Blanking Speed | 1,9 m/s |

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

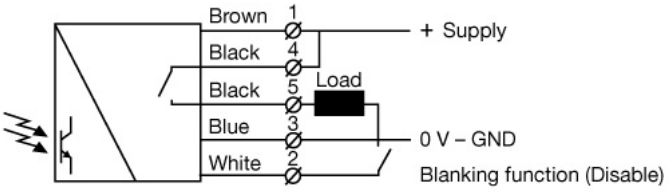
**Approvals**


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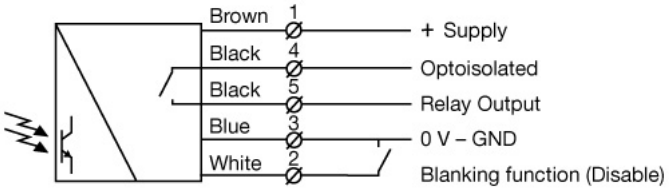
## Wiring Diagram




**SGR 13**
Load as NPN output



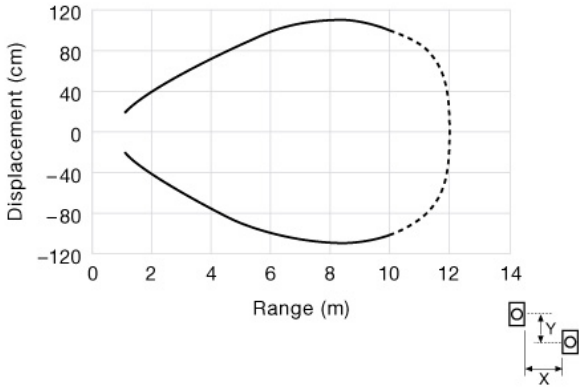

**SGR 13**
Load as PNP output



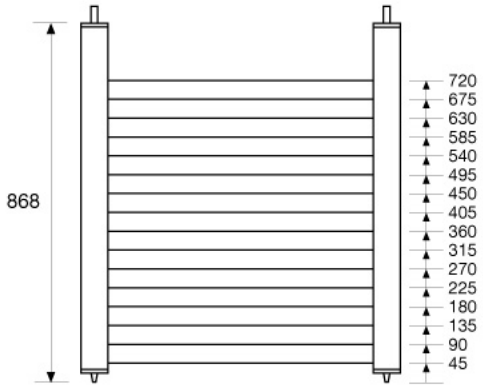

**SGR 13**
Solid state relay output

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## Parallel Displacement



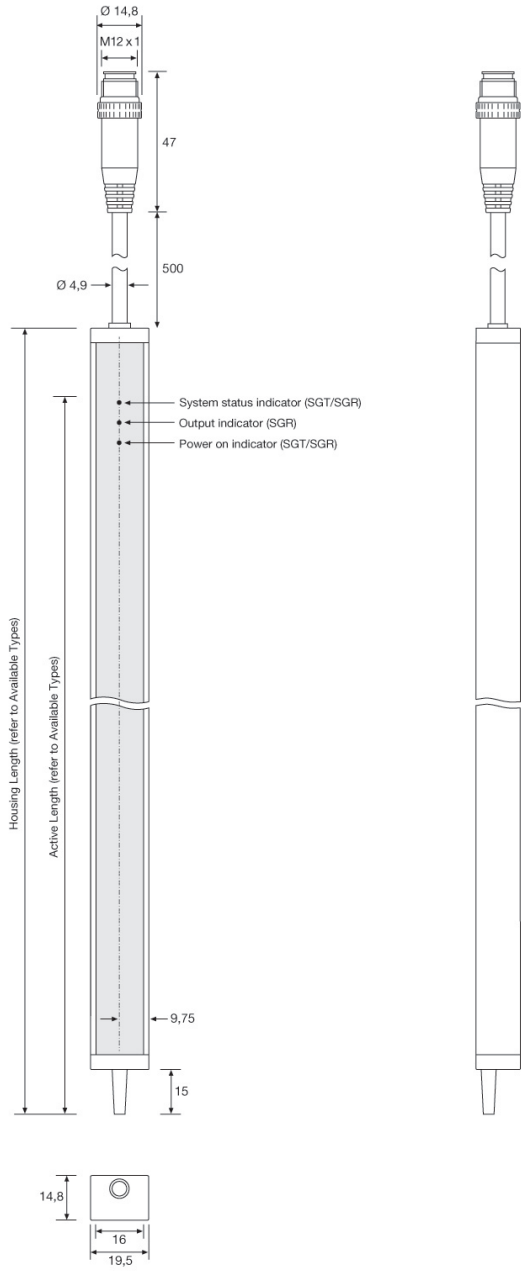

## Beam Patterns




C1

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## Dimensions




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