SGR 13-229-030-D1-K-09-5

Self-Contained Light Curtains

Light Curtains

Compatible Transmitter:

SGT 13-229-030-D1-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	30
Output	Solid State Relay
Output Status	N.C.
Response	50 ms
Length	2308 mm
Active Height	2160 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 : up to 1035 mm and two top channels - 180 mm : from 1035 mm to top
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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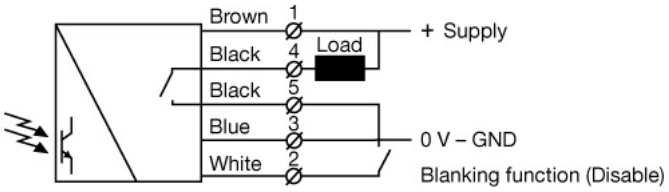
Cable	5 x 0,20 mm²
Cable Sleeve	PVC Ø 4,9 mm
Max. Sequencial Blanking Speed	1,6 m/s

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

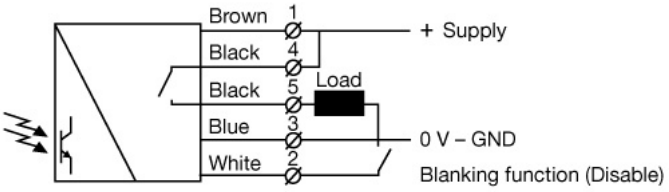
Approvals

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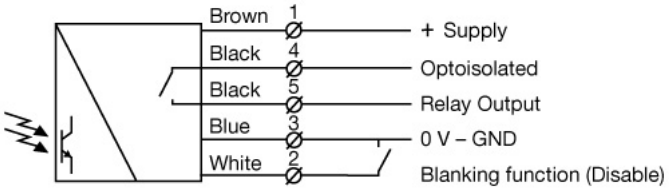
Wiring Diagram



SGR 13
Load as NPN output



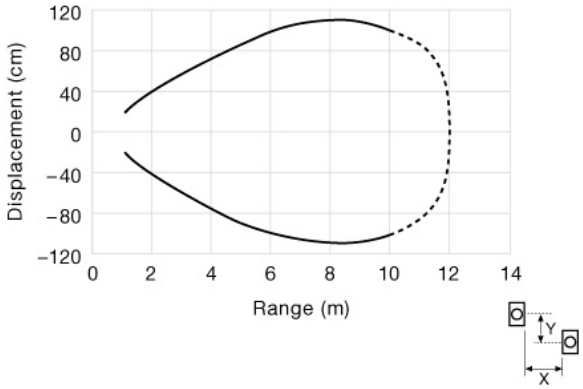
SGR 13
Load as PNP output



SGR 13
Solid state relay output

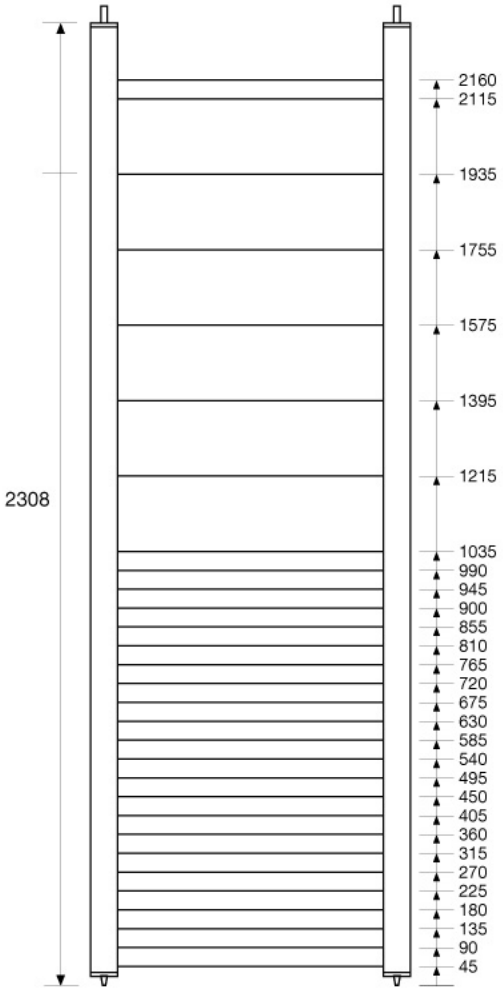
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Parallel Displacement



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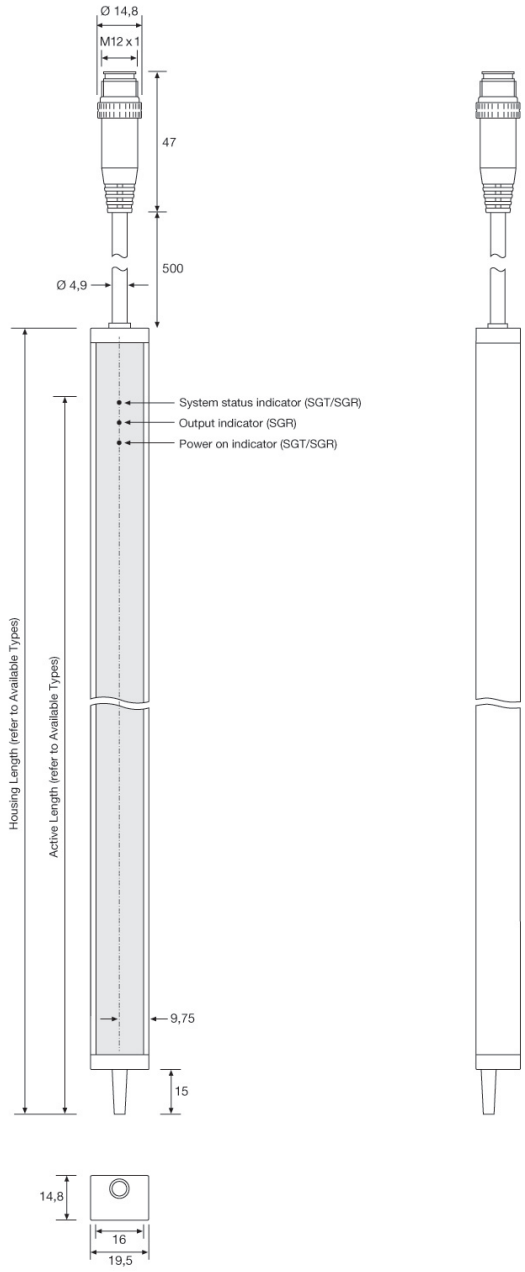
Beam Patterns



D1

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Dimensions



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