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

Self-Contained Light Curtains

Light Curtains

Compatible Transmitter:

SGT 13-229-030-D1-G-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 21,3 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)	G Profile, 19,5 mm x 21,3 mm
Housing Material, Front Lens	Polycarbonate
Housing Material, Profile	Aluminium (black anodised)

COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

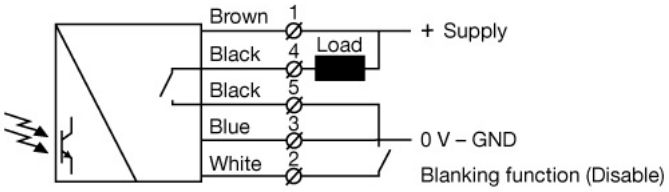
Cable	5 x 0,20 mm²
Cable Sleeve	PVC Ø 4,9 mm
Max. Sequencial Blanking Speed	1,6 m/s

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

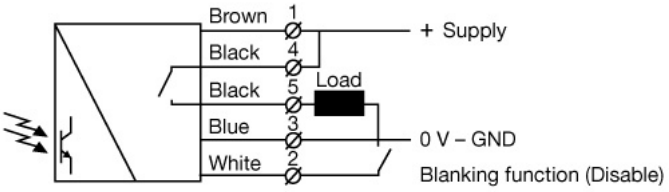
Approvals

COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

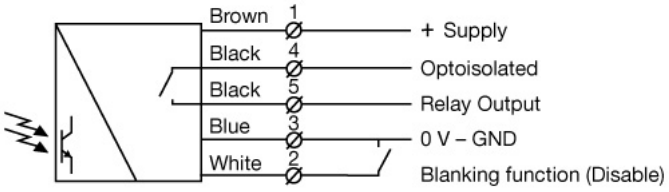
Wiring Diagram



SGR 13
Load as NPN output



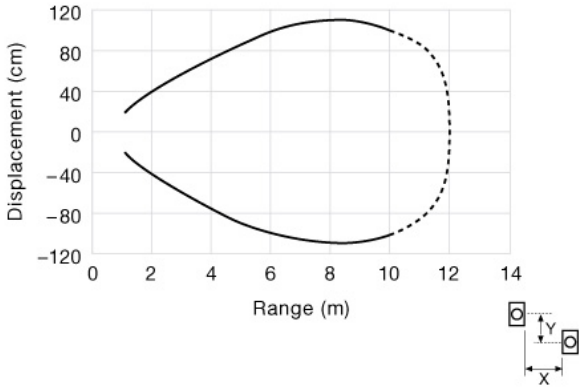
SGR 13
Load as PNP output



SGR 13
Solid state relay output

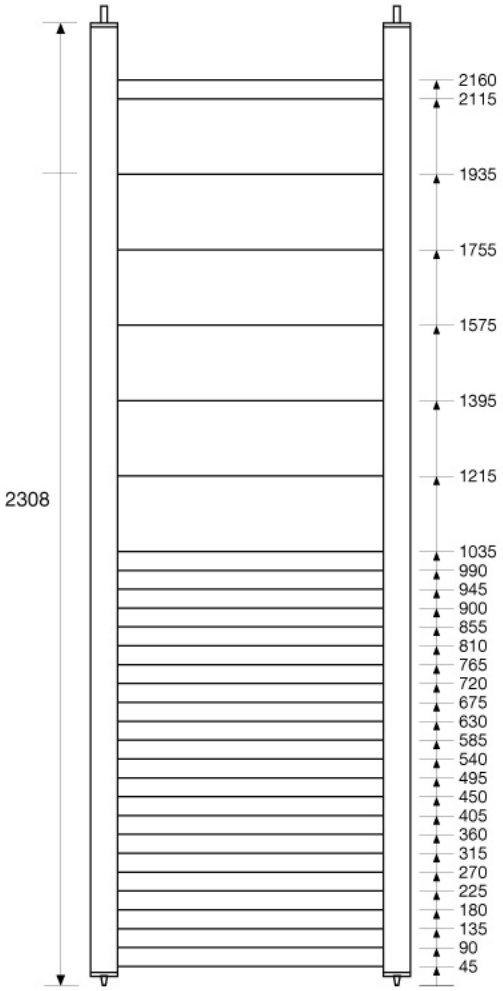
COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Parallel Displacement



COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

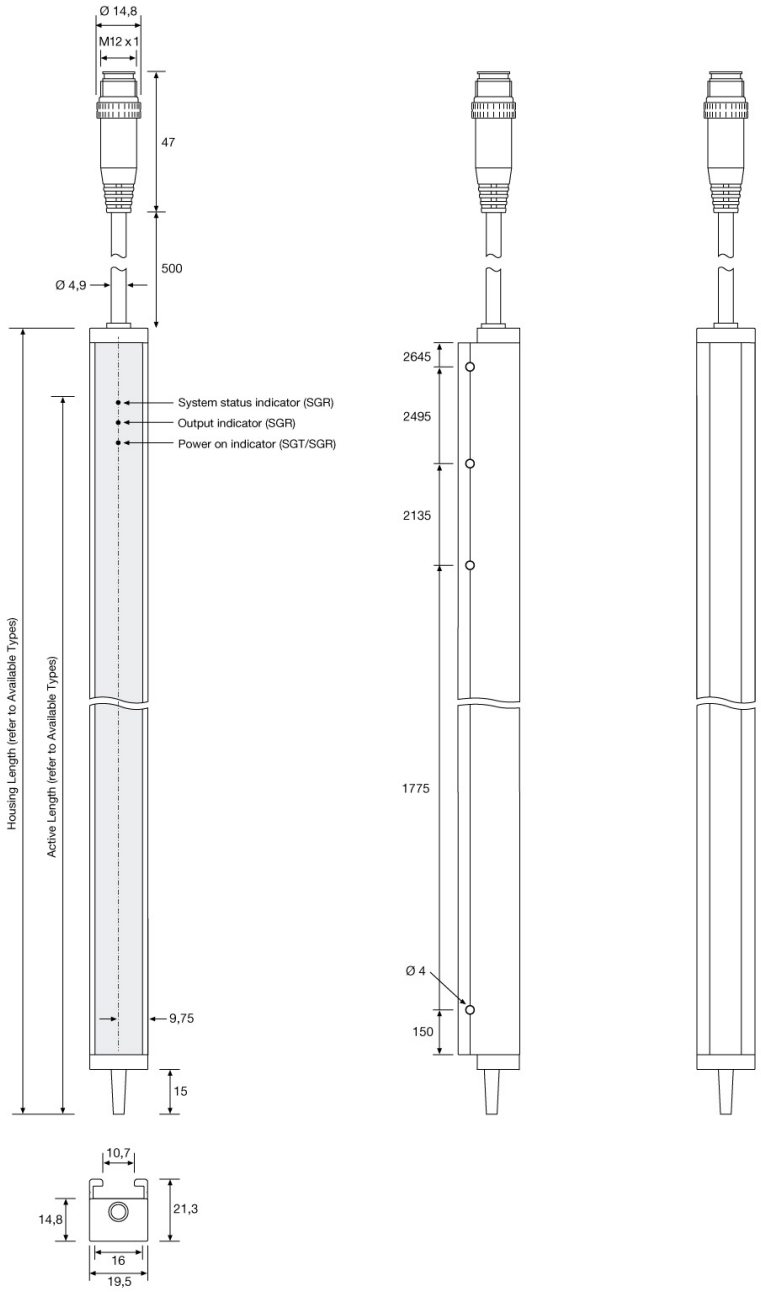
Beam Patterns



D1

COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Dimensions



COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.