

SGT 18-107-022-C1-U-01-0.3-T4-5

Self-Contained Light Curtains

Light Curtains

Compatible Receivers:

SGR 18-107-022-C1-U-07-0.3-T6-5



Product Data	
Function	Transmitter
Operation Mode	Thru Beam
Supply Voltage	10 - 30 V dc
Connection	0.3 m cable with 4 pin, M8 plug + 5 m ext. cable
Sensing Range	12 m
Number of Channels	22
Length	1070 mm
Active Height	945 mm
Housing	12 mm x 14 mm

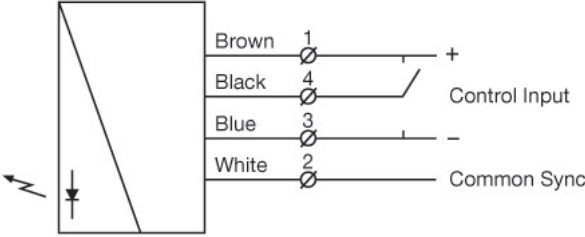
Technical Data	
Supply Voltage	10 - 30 V dc
Reverse Polarity Protected	Yes
Current Consumption	70 mA
Control Input	Yes
Power On Indicator	Green LED
System Status Indicator	Red LED
Light Source	Infrared (880 nm)
Profile Dimensions (w x d)	U Profile, 12 mm x 14 mm
Housing Material, Profile	Aluminium (black anodised)
Cable	4 x 0,20 mm²
Cable Sleeve	PVC Ø 4,5 mm
Channel spacing (Ch 1 excluded)	45 mm
Bottom spacing to Ch 1	35 mm
Spacing between Ch 1 and Ch 2	10 mm
Housing Material, Front cover (optional)	Polycarbonate

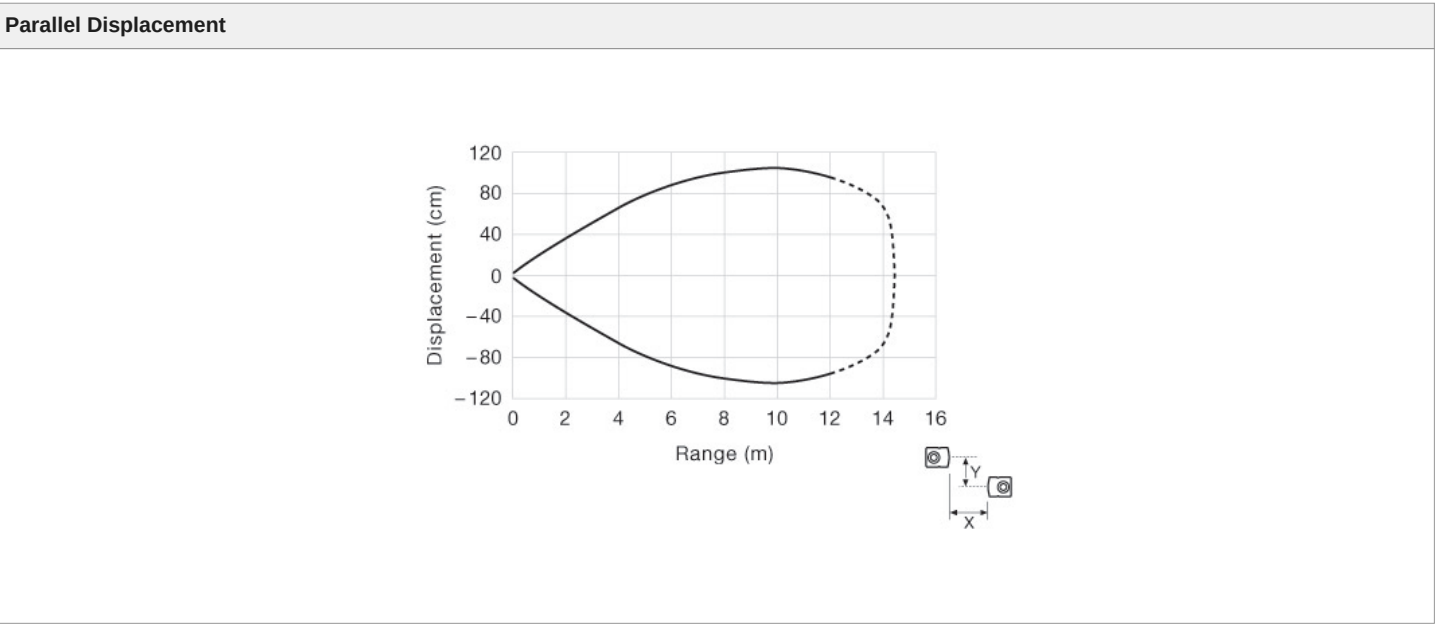
Environmental Data	
Operation Temperature	– 20 to +55 °C
Storage Temperature	– 40 to +80 °C
Sealing Class	IP 67
Light Immunity 5*	> 100 000 lux
EU directives	2011/65/EU (RoHS) - 2014/30/EU (EMC)
Standards	IEC 60068-2-6:2007 (vibration). EN 61000-6-2:2019 (EMC emission). EN 61000-6-3:2007 +A1:2011 (EMC immunity).

Approvals

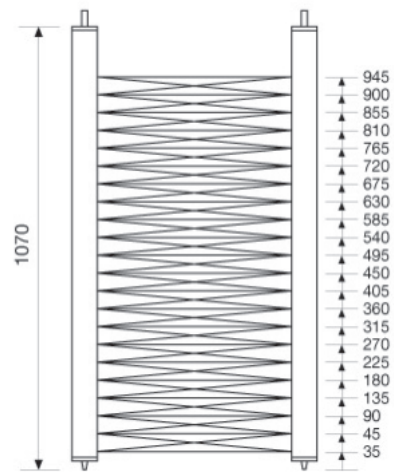


Wiring Diagram

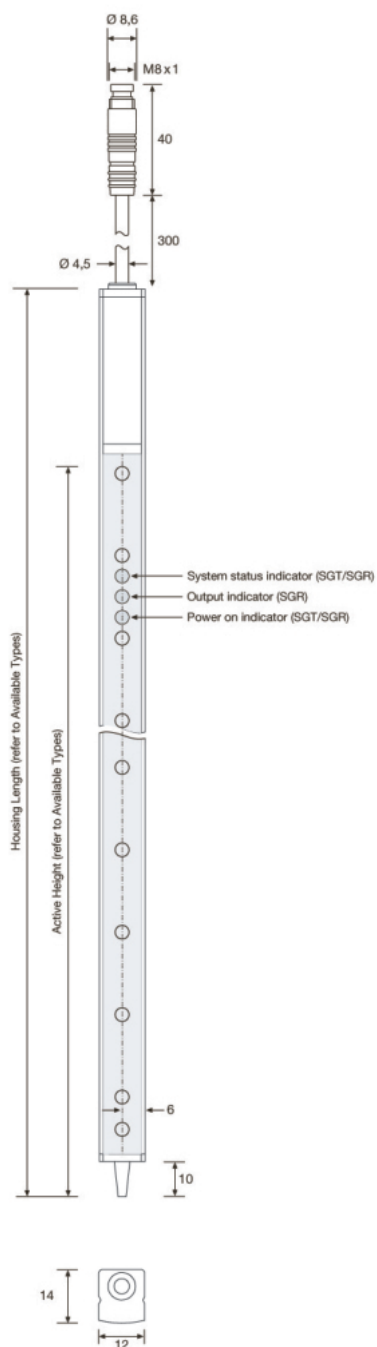




Beam Patterns



Dimensions

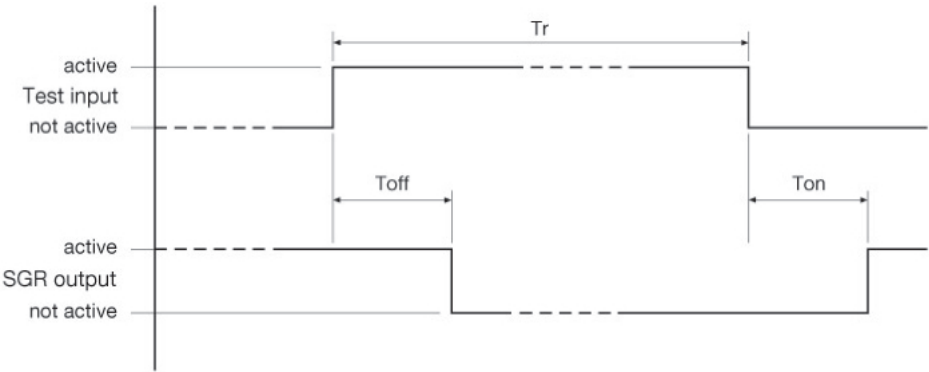


Timing Diagram

Ton (max/min)
300 ms / 50 ms

Toff (max/min)
60 ms / 1 ms

Tr (min)
100 ms



SGT/R response time graph

Connections

4 pin, M8

