SGR 10-200-020-B1-C-07-5

Self-Contained Light Curtains

Light Curtains

Compatible Transmitter:

SGT 10-200-020-B1-C-01-5

Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	12 - 36 V dc
Connection	5 m cable
Sensing Range	10 m
Number of Channels	20
Output	Solid State Relay
Output Status	N.C./N.O.
Response	< 85 ms
Length	2000 mm
Active Height	1755 mm
Housing	12 x 30 mm

| 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	46 mm
Channel Spacing	92 mm
Response Time	< 85 ms
Power On Indicator	Green LED
Output Indicator	Yellow LED
System Status Indicator	Red LED
Profile Dimensions (w x d)	Slim Line (C), 12 x 30 mm
Housing Material, Front Lens	Polycarbonate

Telco sensors

Housing Material, Profile	Aluminium (black anodised)
Cable	5 x 0,20 mm²
Cable Sleeve	PVC Ø 4,9 mm

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

CE   UK CA

Wiring Diagram

Load NPN

Solid State Relay type

Load as PNP

Parallel Displacement

Water-Resistant Slim Line C

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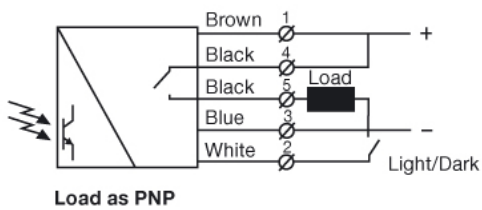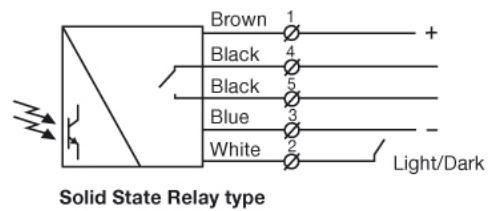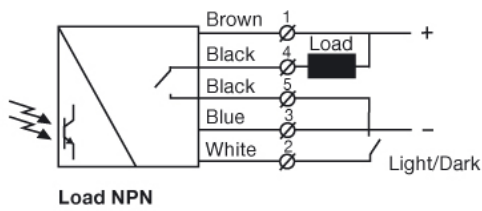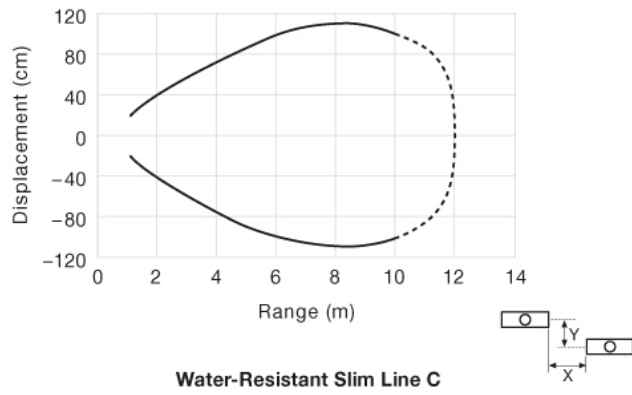
Beam Patterns

92 mm channel spacing

Dimensions

Details

Top Side View

Ø 14,8
M12 x 1

47

Ø 4,9

Rear   Front

← System status indicator (SGR)
← Output indicator (SGR)
← Power on indicator (SGT/SGR)

Top Rear View

Top View

18,5   Ø 7

Bottom View
Cross Section

4
4,3   6   12
30

Mounting
Slot 4,3

Ø 8

3,5
Ø 4

Rear   Front

Bottom Side View

Bottom Rear View

200   2800
200
200   2400
200
200   2000
200
200   1600
200
200   1250
200
200
200
200   850
200
100

SGT/SGR
Side View

200
Ø 8

200

SGT/SGR
Rear View