

**Description**

- 24 V dc or 230 V ac supply voltage
- Double safety relay output with force-guided contacts acc. to EN 61810
- Power and signal output indicators
- Input OSE 900 Hz fail-safe
- Spring-clamp terminal connection



The SGC 15 is a controller unit intended to be used in conjunction with the SG 2 or SG 15 self-contained light curtain series with OSE output (modulated fail-safe output signal of 900 Hz), where a double safety relay configuration is required. The controller supplies a fixed 24 V dc output voltage. When the SGR receiver OSE output is present, then the SGC 15 safety output relay is closed.

When the SGR receiver OSE output is not present, due to beam break, short circuit or cable break, then the SGC 15 safety output relay is open and changes to safe mode (output relay contacts open). In the case that one of the safety relay output contacts is blocked due to overload or short circuit, then the safety output always changes to safe mode.

**Technical Data**

Supply voltage	24 V dc or 230 V ac
Voltage tolerance	+/- 10%
Current consumption	Max. 250 mA
Output voltage	24 V dc @ 100 mA load
Output voltage ripple	4% @ 100 mA load
Supply output current	150 mA
Safety output relay	Double force-guided contacts according to EN 61810
Rated voltage	250 V ac
Max. switching voltage AC	400 V ac
Rated current	6A
Max. breaking capacity AC	1500 VA
Power on indicator	Green LED
Output indicator	Yellow LED
Housing material	ABS

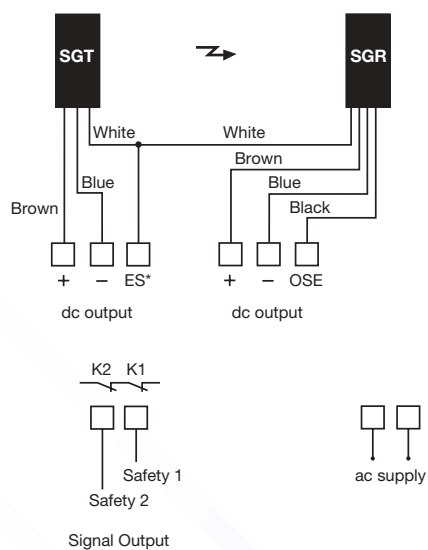
**Environmental Data**

Vibration	10-55 Hz, 1,5 mm
Shock	30 g
Temperature, operation	-20 to +65 °C
Temperature, storage	-40 to +80 °C
Sealing class	IP 54
Approvals	CE UK CA

**Available Types**

Model	Connection	Input	Supply Voltage	230 V ac	24 V dc
			Output	Order Reference	
<b>SGC 15 C</b>	Spring-clamp terminal	OSE 900 Hz Fail-Safe	Double safety relays NC with force-guided contacts	<b>SGC 15 C 600</b>	<b>SGC 15 C 603</b>

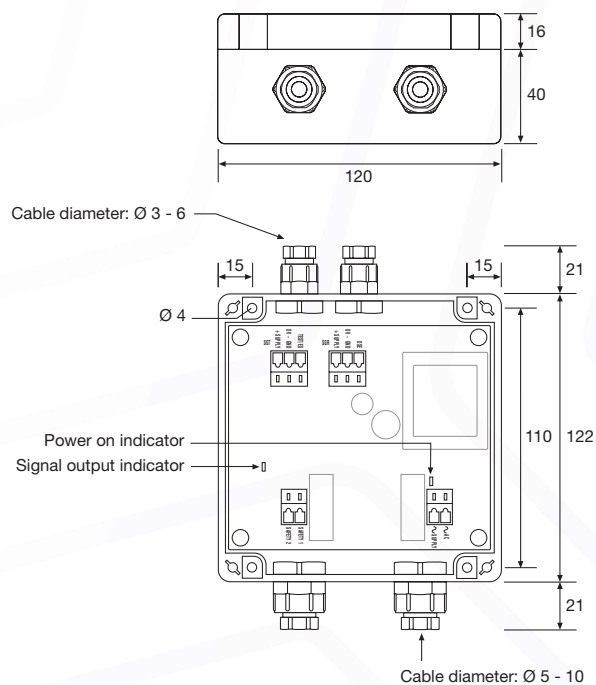
## Wiring Diagrams



SGC 15 C

\* Electrical Synchronization

## Dimensions and Descriptions



SGC 15 C

(Units in mm)

Telco reserves the right to change specifications without notice.