Connection Unit A
for SG2-30B

SG2-00AA000R2
Part Number

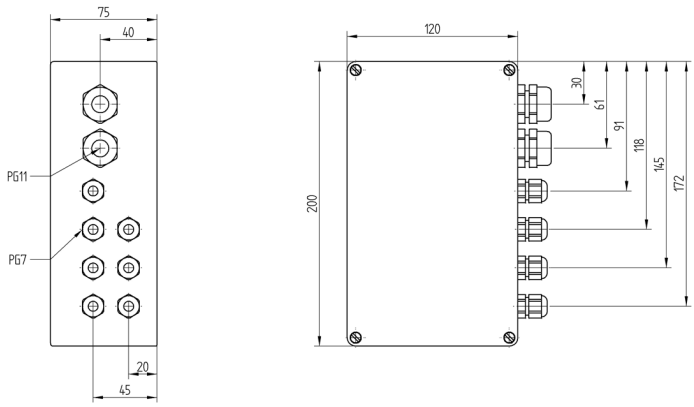
- **Fix blanking**
- **Muting**
- **Up to 2 safety fields can be monitored**

Up to 2 Safety Light Barriers SG2-30B can be wired to the connector unit A. Either a semiconductor output or a relay output can be selected.

Technical Data

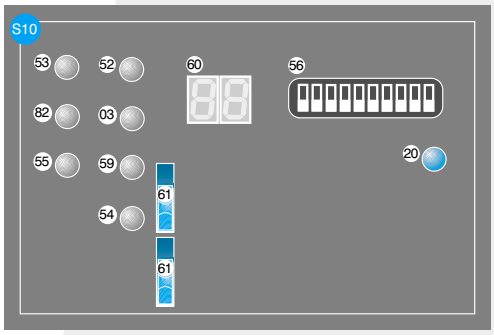
Electrical Data	
Supply Voltage	20,4...28,8 VDC
Current Consumption (Ub = 24 V)	500 mA
Temperature Range	-10...50 °C
PNP Safety Output/Switching Current	500 mA **
No. Safety Outputs	2
Safety Output	Relay
Reverse Polarity Protection	yes
Relay Output/Switching Current (24 V / DC13)	3 A
Relay Output/Switching Current (250 V / AC15)	3 A
Protection Class	II
Mechanical Data	
Shock Resistance	10 g / 16 ms
Vibration Resistance (10...55 Hz)	5 g
Housing Material	Plastic ABS/PC
Degree of Protection	IP65
Safety-relevant Data	
Safety Category (EN ISO 13849-1)	2
Performance Level (EN ISO 13849-1)	PL d
PFHd	3,97 × E-8 1/h *
Service Life TM (EN ISO 13849-1)	20 a
Safety Integrity Level (EN 61508)	SIL2
Safety Integrity Level (EN 62061)	SILCL2
Switching cycles B10d (24 VDC / 0,75 A)	4 200 000
Switching cycles B10d (24 VDC / 1,5 A)	740 000
Switching cycles B10d (24 VDC / 3 A)	360 000
Switching cycles B10d (250 VAC / 0,75 A)	4 600 000
Switching cycles B10d (250 VAC / 2 A)	560 000
Switching cycles B10d (250 VAC / 3 A)	180 000
Switching Cycles B10d (mechanical)	20 000 000
Function	
Restart Inhibit	yes
Contactor Monitoring	yes
Fix Blanking	yes
Muting Mode	yes
Protection Zone Height (cascaded)	2636 mm
Connection Table No.	45
Control Panel No.	S10

* PFHd for Connection Unit incl. Emitter and Receiver
** for Semiconductor OSSD



All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl.Panel



03 = Error Indicator
20 = Enter Button
52 = OSSD ON
53 = OSSD OFF
54 = Muting
55 = Blanking
56 = Dip-Switch
59 = Calibration
60 = Display
61 = Qty. Light Curtain Switch
82 = Acknowledgement Request

Complementary Products

Muting Indicator SM0-00CA000C1
Muting Sensor: PNP NC, NO antivalent
Replacement Relay SG2-RELAIS

Specifications are subject to change without notice