

DATALOGIC - SG4-BODY COMPACT BASE

SG4-S4-120-PP-E
SG4-S4-120-PP-E 4 BEAM TYPE 4

- Body protection (2, 3 and 4 beam), Type 4, PL e
- Range 0.5-50 m
- Protective height 500-800-900-1200 mm



PRODUCT DESCRIPTION

Datalogic safety light curtain SG4-BODY COMPACT Base is made for body detection with a range of up to 50 meters. The safety light curtain is available as type 4, and maintains highest level PL e according to the latest safety standards, EN ISO 13849-1 and EN 62061.

SG4-BODY COMPACT Base has a compact housing with basic functions as integrated manual reset /automatic reset and input for monitoring of external contactors (EDM). Configurations will be made by DIP switches.

SG4-BODY COMPACT models are provided in 2 different versions: Base and Muting.

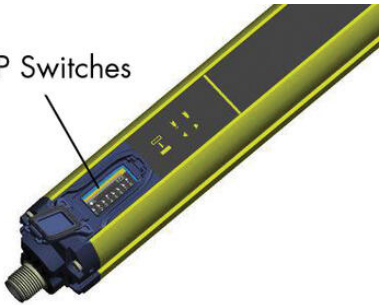
SG4-BODY COMPACT Base safety light curtain include two safe electronic short-circuit detection outputs (PNP). If potential free contacts are needed We can offer forexample Datalogic safety relay CSME. Safety light curtain supplied complete with standard bracket.

Datalogic has a 3 year warranty for safety light curtains.

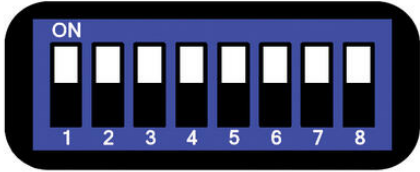
TECHNICAL DATA

Additional features	EDM, reset functions
Approvals	CE, cULus, TÜV
Cable connection receiver	M12, 8-pole
Cable connection transmitter	M12, 5-pole
Cable length max	50 m
Contact current max	0.5 A
DC	98,90%
Function	EDM, Manual/automatic restart
In compliance with	EMC, LVD, MD
IP class	IP65

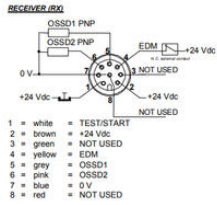
Material of body	Aluminium
MTTFd	384 year(s)
Number of beams	4
PL	e (EN ISO 13849-1)
Power consumption	Transmitter 1,6W. Receiver 4,2 W. (without load)
Protection height	1200 mm
Reaction time	16 ms
Resolution	415 mm
Safe outputs	2 OSSD
Sensing distance	0,5-50 m
SFF	98,93 %
SIL	3 (EN IEC 61508)
Storage temperature max	70 °C
Storage temperature min	-25 °C
Supply voltage	24 V DC
T1 (Life time in years)	20
Temperature operational max	55 °C
Temperature operational min	-10 °C
Type	4
Voltage tolerance	±20 %



DIP Switches



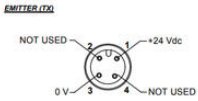
dip-sw	Function	ON	OFF
1,5	-	-	-
2,6	-	-	-
3,7	EDM	Deactivated	Activated
4,8	Reset	Automatic	Manual



RECEIVER (RX)

Legend:

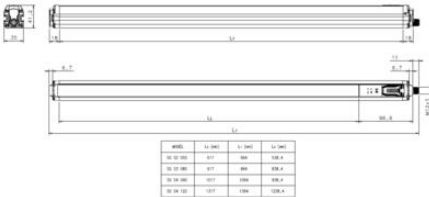
- 1 = white = TEST/START
- 2 = brown = +24 Vdc
- 3 = green = NOT USED
- 4 = yellow = EDM
- 5 = grey = OSSD1
- 6 = pink = OSSD2
- 7 = blue = 0 V
- 8 = red = NOT USED



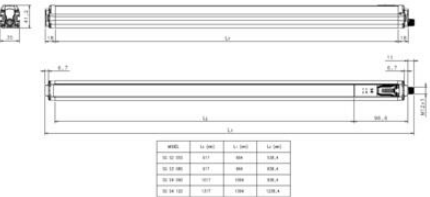
EMITTER (TX)

Legend:

- 1 = brown = +24 Vdc
- 2 = white = NOT USED
- 3 = blue = 0 V
- 4 = black = NOT USED



MODEL	TX (m)	TX (m)	TX (m)
SS 32 100	100	100	100
SS 32 150	150	150	150
SS 32 200	200	200	200
SS 32 250	250	250	250
SS 32 300	300	300	300
SS 32 350	350	350	350
SS 32 400	400	400	400
SS 32 450	450	450	450
SS 32 500	500	500	500
SS 32 550	550	550	550
SS 32 600	600	600	600
SS 32 650	650	650	650
SS 32 700	700	700	700
SS 32 750	750	750	750
SS 32 800	800	800	800
SS 32 850	850	850	850
SS 32 900	900	900	900
SS 32 950	950	950	950
SS 32 1000	1000	1000	1000



MODEL	TX (m)	TX (m)	TX (m)
SS 32 100	100	100	100
SS 32 150	150	150	150
SS 32 200	200	200	200
SS 32 250	250	250	250
SS 32 300	300	300	300
SS 32 350	350	350	350
SS 32 400	400	400	400
SS 32 450	450	450	450
SS 32 500	500	500	500
SS 32 550	550	550	550
SS 32 600	600	600	600
SS 32 650	650	650	650
SS 32 700	700	700	700
SS 32 750	750	750	750
SS 32 800	800	800	800
SS 32 850	850	850	850
SS 32 900	900	900	900
SS 32 950	950	950	950
SS 32 1000	1000	1000	1000