

## DATALOGIC - SG4-BODY COMPACT BASE

SG4-S2-050-PP-E

SG4-S2-050-PP-E 2 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.

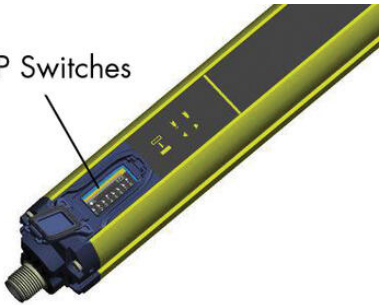
SG4-BODY COMPACT Base safety light curtain include two safe electronic short-circuit detection outputs (PNP). If potential free contacts are needed We can offer forexample Datalogic safety relay CSME. Safety light curtain supplied complete with standard bracket.

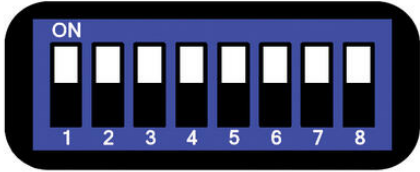
Datalogic has a 3 year warranty for safety light curtains.

### 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

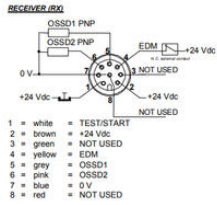
Material of body	Aluminium
MTTFd	384 year(s)
Number of beams	2
Output	2xPNP
PL	e (EN ISO 13849-1)
Power consumption	Transmitter 1,6W. Receiver 4,2 W. (without load)
Protection height	500 mm
Reaction time	14 ms
Resolution	515 mm
Safe outputs	2 OSSD
Sensing distance	0,5-50 m
SFF	0.9892999999999996
SIL	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 %





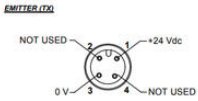
dip-sw	Function	ON	OFF
1,5	-	-	-
2,6	-	-	-
3,7	EDM	Deactivated	Activated
4,8	Reset	Automatic	Manual

**RECEIVER (RX)**

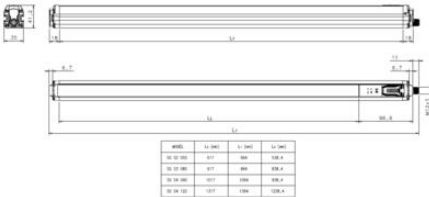


1 = white = TEST/START  
2 = brown = +24 Vdc  
3 = green = NOT USED  
4 = yellow = EDM  
5 = grey = OSSD1  
6 = pink = OSSD2  
7 = blue = 0 V  
8 = red = NOT USED

**EMITTER (TX)**



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



MODEL	TX (mm)	TX (mm)	TX (mm)
SL 10 100	107	88	100,0
SL 10 150	107	88	150,0
SL 10 200	107	88	200,0
SL 10 300	107	88	300,0
SL 10 400	107	88	400,0
SL 10 500	107	88	500,0

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SL 10 400	107	88	400,0
SL 10 500	107	88	500,0