

## Data sheet

Commercial Art.No.: R1.642.2150.0

light grid SLD-4ST2-1-50

Multibeam-Safety-Lightgrid Type 4, Receiver-Standard, 2 Beams, Distance 50 m, Laser Adjustment



Commercial Art.No.	R1.642.2150.0
EAN	4049088204197
Order Unit	1

certificates / approvals



## Technical data

### function

sensor element	
with muting function	no
with muting display	no
muting with	samosPRO COMPACT
with beam coding	no
automatic start	yes
restart interlock	no
alignment aid	yes
blanking	no
cascadable	no

### technical data

type acc. EN 61496-1	4
protective field height	500 mm
connection	connector M12
nominal voltage	24 V
voltage type	DC
number of OSSD outputs	2
max. output current	380 mA
degree of protection (IP)	IP67
PFH <sub>cl</sub> (High demand mode)	6.6 E-9 1/h
mission time TM	20 a

### safety parameters

category (ISO 13849-1)	4
PL (ISO 13849-1)	level e
SIL <sub>CL</sub> (IEC 62061)	3

PFH <sub>d</sub> (High demand mode)	6.6 E-9 1/h
HFT	1
T <sub>M</sub>	20 a

**dimensions**

width sensor	52 mm
height of sensor	64.7 mm
length of sensor	600 mm

**classification**

ECLASS 11	
ECLASS 8.1	27270910
ETIM 9.0	EC001832
ETIM 8.0	EC001832
ETIM 7.0	EC002549
ETIM 6.0	EC002549
ETIM 5.0	EC002549
ETIM 4.0	EC002549
ETIM 3.0	EC002549

**product compliance**

ROHS conformity status	compliant/exempted
ROHS exceptions	III-6(a); III-6(b); III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

**Accessories**

Commercial Art.No.:	Article-type description:	Description:
R1.600.0505.0	connection cable SLX-CAB-M12-S0505	Connection cable M12, 5-pole, Length 5m, shielded
R1.600.0510.0	connection cable SLX-CAB-M12-S0510	Connection cable M12, 5-pole, Length 10m, shielded
R1.600.0515.0	connection cable SLX-CAB-M12-S0515	Connection cable M12, 5-pole, Length 15m, shielded
R1.600.0525.0	connection cable SLX-CAB-M12-S0525	Connection cable M12, 5-pole, Length 25m, shielded
R1.600.0550.0	connection cable SLX-CAB-M12-S0550	Connection cable M12, 5-pole, Length 50m, shielded
R1.604.1060.0	reflector column SLD-COLM2-1060	"Reflector column, Reflector distance: 500 mm; Total height: 1060 mm"
R1.593.0900.0	device columns SLX-COL-0900	"Device column, profile height: 820 mm; Total height: 900 mm"
R1.591.0001.0	sliding block set SLX-MO-TNUTM6	Set Slot nut with M6-screw thread, 10 pcs.
R1.591.0005.0	Z-fixture SLX-MO-Z	Z-Bracket, 2 pcs.
R1.591.0007.0	rotary holding with shockabsorber SLX-MO-RO-S	Rotative bracket with Shockabsorber, 70mm lang, 2 pcs.
R1.591.0009.0	tool holder SLX-MO-CLIP	Clamp bracket, for Installation in Device column
R1.591.0010.0	set tool holder SLX-MO-CLIP2	Set Clamp bracket, for Installation in Device column
R1.591.0011.0	rotary holding 360° SLX-MO-RO-SET1	Set with SLX-MO-RO-B + SLX-MO-RO-C + screws
R1.591.0012.0	rotary holding 360° SLX-MO-RO-SET2	Set with 2 x SLX-MO-RO-C + screws
R1.591.0013.0	rotary holding with shockabsorber SLX-MO-RO-SET1-S	Set with SLX-MO-RO-B, SLX-MO-RO-C + screws + Shockabsorber

R1.591.0014.0	rotary holding with shockabsorber SLX-MO-RO-SET2-S	Set with 2 x SLX-MO-RO-C + screws + Shockabsorber
R1.597.0017.0	sensor connector box SLX-MUT-BOX2	sensor connection box for 2 muting sensors

### Fits with

Commercial Art.No.:	Article-type description:	Description:
R1.641.2150.0	light grid SLD-4TR2-1-50	Multibeam-Safety-Lightgrid Type 4, Transmitter, 2 Beams, Distance 50 m, Laser Adjustment

SLD - Sender / transmitter

Teilenummer / Part No.	Laenge / length (mm)
R1.641.2050.0	600
R1.641.2070.0	600
R1.641.2150.0	600
R1.641.2170.0	600
R1.641.3050.0	900
R1.641.3070.0	900
R1.641.3150.0	900
R1.641.3170.0	900
R1.641.4050.0	1000
R1.641.4070.0	1000
R1.641.4150.0	1000
R1.641.4170.0	1000

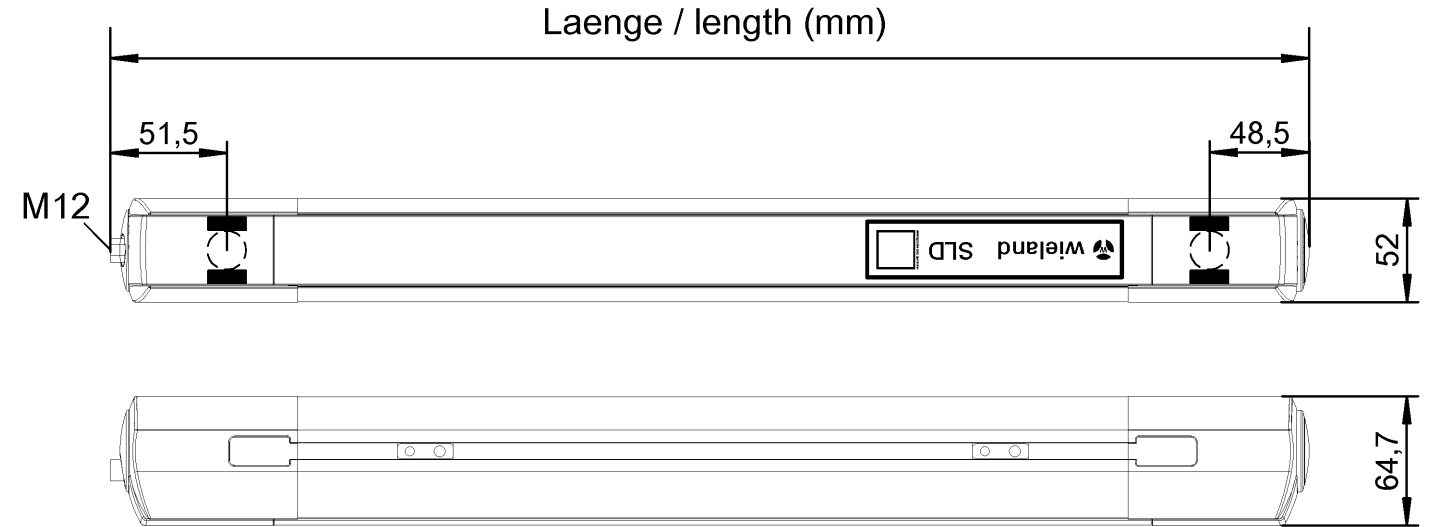
SLD - Empfaenger Standard / receiver standard

Teilenummer / Part No.	Laenge / length (mm)
R1.642.1050.0	193
R1.642.1070.0	193
R1.642.1150.0	193
R1.642.2050.0	600
R1.642.2070.0	600
R1.642.2150.0	600
R1.642.2170.0	600
R1.642.3050.0	900
R1.642.3070.0	900
R1.642.3150.0	900
R1.642.3170.0	900
R1.642.4050.0	1000
R1.642.4070.0	1000
R1.642.4150.0	1000
R1.642.4170.0	1000

SLD - Empfaenger Select / receiver select

Teilenummer / Part No.	Laenge / length (mm)
R1.643.1050.0	193
R1.643.1070.0	193
R1.643.1150.0	193
R1.643.2050.0	600
R1.643.2070.0	600
R1.643.2150.0	600
R1.643.2170.0	600
R1.643.3050.0	900
R1.643.3070.0	900
R1.643.3150.0	900
R1.643.3170.0	900
R1.643.4050.0	1000
R1.643.4070.0	1000
R1.643.4150.0	1000
R1.643.4170.0	1000

Ausfuehrung gezeichnet als 2-strahliger Sender, Empfaenger / drawn version as 2-beams transmitter, receiver



SLD - Sender Professional / transmitter professional

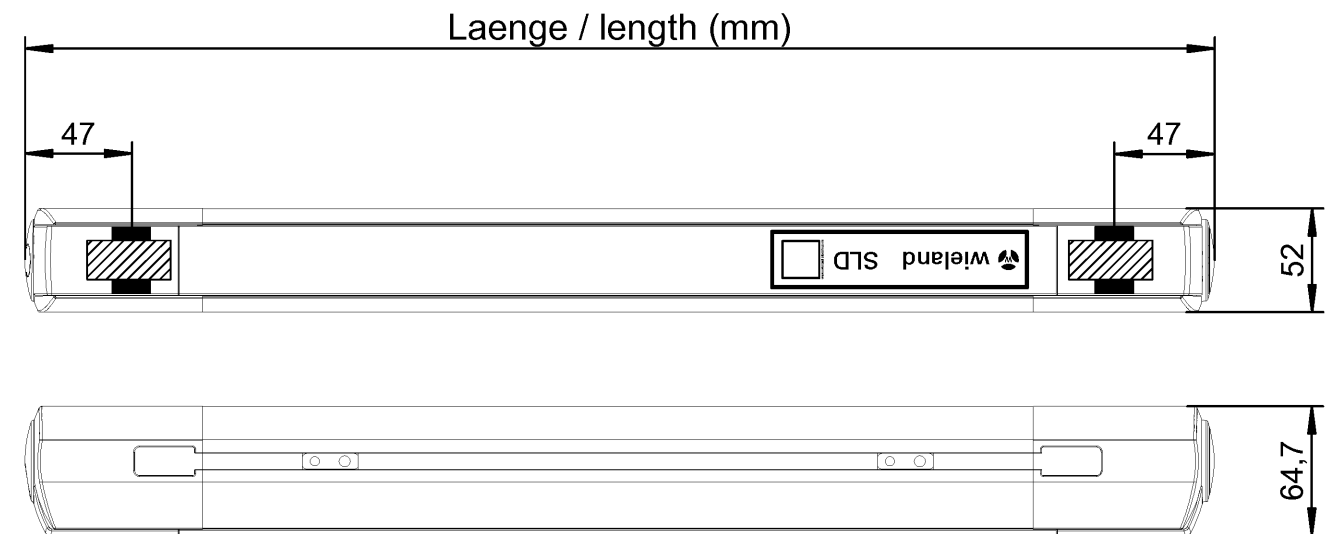
Teilenummer / Part No.	Laenge / length (mm)
R1.641.1050.0	193
R1.641.1070.0	193
R1.641.1150.0	193

SLD - Empfaenger Professional / receiver professional

Teilenummer / Part No.	Laenge / length (mm)
R1.647.1050.0	193
R1.647.1070.0	193
R1.647.1150.0	193
R1.647.2050.0	600
R1.647.2070.0	600
R1.647.2150.0	600
R1.647.2170.0	600
R1.647.2250.0	600
R1.647.2350.0	600
R1.647.3050.0	900
R1.647.3070.0	900
R1.647.3150.0	900

Teilenummer / Part No.	Laenge / length (mm)
R1.647.3170.0	900
R1.647.3250.0	900
R1.647.3350.0	900
R1.647.4050.0	1000
R1.647.4070.0	1000
R1.647.4150.0	1000
R1.647.4170.0	1000
R1.647.4250.0	1000
R1.647.4350.0	1000

Ausfuehrung gezeichnet als 2-strahliger Umlenkspiegel / drawn version as 2-beams deflection mirror



SLD - Universal Standard

Teilenummer / Part No.	Laenge / length (mm)
R1.644.2000.0	600
R1.644.3000.0	900

SLD - Universal Select

Teilenummer / Part No.	Laenge / length (mm)
R1.645.2000.0	600
R1.645.3000.0	900

SLD - Universal Professional

Teilenummer / Part No.	Laenge / length (mm)
R1.648.2000.0	600
R1.648.2200.0	600
R1.648.3000.0	900
R1.648.3200.0	900

Umlenkspiegel / deflection mirror

Teilenummer / Part No.	Laenge / length (mm)
R1.606.2008.0	594
R1.606.3006.0	894
R1.606.3008.0	894

Weitere Angaben siehe KATALOG oder eKatalog. Additional data see CATALOG or eCatalog.		www.wieland-electric.com eshop.wieland-electric.com	
ja/yes <input checked="" type="checkbox"/> Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten. Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!			
Freitoleranz nach General tolerance	CAD-Zeichnung, keine manuellen Änderungen CAD drawing, no manual modifications allowed	1. Verwendung: First Use:	Blatt: Sheet:
	Werkstoff / Material	2015 Tag/Date	Name
	Maßstab/Scale	gezeichnet drawn	04.05. Koetzner
		geprüft checked	
		Normgepr. Stand. check	
© 05.10.18	Datei / File: 40641_C01K.DCD	Ersatz für / Replacement for:	
© 13.03.17		Type	Benennung / Title
© 20.07.15			Teilespezifikation / Component specification
Index	Datum / Blatt Date / Sheet		Lichtgitter SLD / light grid SLD
Änderung / Revision			