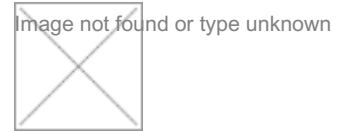


Data sheet

Commercial Art.No.: R1.572.0450.0

light curtain SLC-4PR20-0450

Safety-Lightcurtain Type 4, Receiver-Professional, Resolution 20 mm, L = 450 mm



Commercial Art.No.	R1.572.0450.0
EAN	4049088397936
Order Unit	1

certificates / approvals



Technical data

function

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

technical data

type acc. EN 61496-1	4
resolution	20 mm
protective field height	450 mm
distance	0 - 15 m
connection	connector M12
nominal voltage	24 V
voltage type	DC
number of OSSD outputs	2
max. output current	380 mA
degree of protection (IP)	IP65
PFH _d (High demand mode)	7.73 E-9 1/h
mission time TM	20 a

safety parameters

category (ISO 13849-1)	4
PL (ISO 13849-1)	level e
SIL _{CL} (IEC 62061)	3
PFH _d (High demand mode)	7.73 E-9 1/h
HFT	1
T _M	20 a

dimensions

width sensor	29 mm
height of sensor	35.4 mm
length of sensor	516 mm

classification

ECLASS 11	
ECLASS 8.1	27270910
ETIM 9.0	EC002549
ETIM 8.0	EC002549
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
REACH-SVHC conformity status	compliant

Accessories

Commercial Art.No.:	Article-type description:	Description:
R1.596.0010.0	cable SLX-SBOX-CAB2	Cable, M12, female connector straight, male connector straight, 5 m
R1.596.0011.0	cable SLX-SBOX-CAB2W	Cable, M12, female connector straight, male connector angulated, 5 m
R1.596.0012.0	cable SLX-SBOX-CAB3	Cable, M12, female connector straight, male connector straight, 15 m
R1.596.0013.0	cable SLX-SBOX-CAB3W	Cable, M12, female connector straight, male connector angulated, 15 m
R1.594.1000.0	tilted mirror tie bar SLX-COLM-1000	Reflector column, persistent 1000 mm
R1.595.0450.0	tilted mirror SLX-MIR-0450	Reflector, length: 510 mm
R1.596.0005.0	receipt-unit SLX-SBOX SLX-ACC-CONF1	Reset-Box for SLX-SBOX, M12
R1.596.0007.0	sensor interface muting sensors SLX-SBOX-MO	Sensor interface for muting sensors on safety light curtains SLC-4 Professional, with mounting plate
R1.596.1430.0	test bar SLX-ACC-TEST1430	Test bar, 14/30 mm
R1.596.2040.0	test bar SLX-ACC-TEST2040	Test bar, 20/40 mm
R1.500.0805.0	connection cable SLX-CAB-M12-0805	Connection cable M12, 8-pole, Length 5m, unshielded
R1.500.0810.0	connection cable SLX-CAB-M12-0810	Connection cable M12, 8-pole, Length 10m, unshielded
R1.500.0815.0	connection cable SLX-CAB-M12-0815	Connection cable M12, 8-pole, Length 15m, unshielded
R1.500.0825.0	connection cable SLX-CAB-M12-0825	Connection cable M12, 8-pole, Length 25m, unshielded
R1.500.0850.0	connection cable SLX-CAB-M12-0850	Connection cable M12, 8-pole, Length 50m, unshielded
R1.600.0805.0	connection cable SLX-CAB-M12-S0805	Connection cable M12, 8-pole, Length 5m, shielded
R1.600.0810.0	connection cable SLX-CAB-M12-S0810	Connection cable M12, 8-pole, Length 10m, shielded
R1.600.0815.0	connection cable SLX-CAB-M12-S0815	Connection cable M12, 8-pole, Length 15m, shielded
R1.600.0825.0	connection cable SLX-CAB-M12-S0825	Connection cable M12, 8-pole, Length 25m, shielded
R1.600.0850.0	connection cable SLX-CAB-M12-S0850	Connection cable M12, 8-pole, Length 50m, shielded
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
R1.591.0020.0	rotary holding 360° SLX-MO-RO2	Rotative bracket, 2 pcs., incl. 1 pcs. SLC-cylinder
R1.596.0008.0	cable SLX-SBOX-CAB1	Cable, M12, female connector straight, male connector straight, 1,5 m
R1.596.0009.0	cable SLX-SBOX-CAB1W	Cable, M12, female connector straight, male connector angulated, 1,5 m

Fits with

Commercial Art.No.:	Article-type description:	Description:
R1.542.0450.0	light curtain SLC-4TR20-0450	Safety-Lightcurtain Type 4, Transmitter, Resolution 20 mm, L = 450 mm

SLC 4 - Sender / transmitter - Host

SLC 4 - Sender / transmitter - Guest

SLC 4 - Sender / transmitter - Middle Guest

Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Auflösung / resolution 20 mm	Auflösung / resolution 30 mm	Auflösung / resolution 40 mm	Auflösung / resolution 90 mm
150	216	-	-	-	-	-
225	291	-	R1.542.0225.1	-	-	-
300	366	R1.541.0300.1	R1.542.0300.1	R1.543.0300.1	R1.544.0300.1	-
450	516	R1.541.0450.1	R1.542.0450.1	R1.543.0450.1	R1.544.0450.1	R1.545.0450.1
600	666	R1.541.0600.1	R1.542.0600.1	R1.543.0600.1	R1.544.0600.1	R1.545.0600.1
750	816	R1.541.0750.1	R1.542.0750.1	R1.543.0750.1	R1.544.0750.1	R1.545.0750.1
900	966	R1.541.0900.1	R1.542.0900.1	R1.543.0900.1	R1.544.0900.1	R1.545.0900.1
1050	1116	R1.541.1050.1	R1.542.1050.1	R1.543.1050.1	R1.544.1050.1	R1.545.1050.1
1200	1266	R1.541.1200.1	R1.542.1200.1	R1.543.1200.1	R1.544.1200.1	R1.545.1200.1
1350	1416	R1.541.1350.1	R1.542.1350.1	R1.543.1350.1	R1.544.1350.1	R1.545.1350.1
1500	1566	R1.541.1500.1	R1.542.1500.1	R1.543.1500.1	R1.544.1500.1	R1.545.1500.1
1650	1716	R1.541.1650.1	R1.542.1650.1	R1.543.1650.1	R1.544.1650.1	R1.545.1650.1
1800	1866	R1.541.1800.1	R1.542.1800.1	R1.543.1800.1	R1.544.1800.1	R1.545.1800.1

Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Auflösung / resolution 20 mm	Auflösung / resolution 30 mm	Auflösung / resolution 40 mm	Auflösung / resolution 90 mm
150	216	R1.541.0150.2	R1.542.0150.2	-	-	-
225	291	-	R1.542.0225.2	-	-	-
300	366	R1.541.0300.2	R1.542.0300.2	R1.543.0300.2	R1.544.0300.2	-
450	516	R1.541.0450.2	R1.542.0450.2	R1.543.0450.2	R1.544.0450.2	R1.545.0450.2
600	666	R1.541.0600.2	R1.542.0600.2	R1.543.0600.2	R1.544.0600.2	R1.545.0600.2
750	816	R1.541.0750.2	R1.542.0750.2	R1.543.0750.2	R1.544.0750.2	R1.545.0750.2
900	966	R1.541.0900.2	R1.542.0900.2	R1.543.0900.2	R1.544.0900.2	R1.545.0900.2
1050	1116	R1.541.1050.2	R1.542.1050.2	R1.543.1050.2	R1.544.1050.2	R1.545.1050.2
1200	1266	R1.541.1200.2	R1.542.1200.2	R1.543.1200.2	R1.544.1200.2	R1.545.1200.2
1350	1416	R1.541.1350.2	R1.542.1350.2	R1.543.1350.2	R1.544.1350.2	R1.545.1350.2
1500	1566	R1.541.1500.2	R1.542.1500.2	R1.543.1500.2	R1.544.1500.2	R1.545.1500.2
1650	1716	R1.541.1650.2	R1.542.1650.2	R1.543.1650.2	R1.544.1650.2	R1.545.1650.2
1800	1866	R1.541.1800.2	R1.542.1800.2	R1.543.1800.2	R1.544.1800.2	R1.545.1800.2

Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Auflösung / resolution 20 mm	Auflösung / resolution 30 mm	Auflösung / resolution 40 mm	Auflösung / resolution 90 mm
150	216	R1.541.0150.3	R1.542.0150.3	-	-	-
225	291	-	R1.542.0225.3	-	-	-
300	366	R1.541.0300.3	R1.542.0300.3	R1.543.0300.3	R1.544.0300.3	-
450	516	R1.541.0450.3	R1.542.0450.3	R1.543.0450.3	R1.544.0450.3	R1.545.0450.3
600	666	R1.541.0600.3	R1.542.0600.3	R1.543.0600.3	R1.544.0600.3	R1.545.0600.3
750	816	R1.541.0750.3	R1.542.0750.3	R1.543.0750.3	R1.544.0750.3	R1.545.0750.3
900	966	R1.541.0900.3	R1.542.0900.3	R1.543.0900.3	R1.544.0900.3	R1.545.0900.3
1050	1116	R1.541.1050.3	R1.542.1050.3	R1.543.1050.3	R1.544.1050.3	R1.545.1050.3
1200	1266	R1.541.1200.3	R1.542.1200.3	R1.543.1200.3	R1.544.1200.3	R1.545.1200.3
1350	1416	R1.541.1350.3	R1.542.1350.3	R1.543.1350.3	R1.544.1350.3	R1.545.1350.3
1500	1566	R1.541.1500.3	R1.542.1500.3	R1.543.1500.3	R1.544.1500.3	R1.545.1500.3
1650	1716	R1.541.1650.3	R1.542.1650.3	R1.543.1650.3	R1.544.1650.3	R1.545.1650.3
1800	1866	R1.541.1800.3	R1.542.1800.3	R1.543.1800.3	R1.544.1800.3	R1.545.1800.3

SLC 4 - Empfaenger / receiver Host

SLC 4 - Empfaenger / receiver Guest

SLC 4 - Empfaenger / receiver - Middle Guest

Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Aufloesung / resolution 20 mm	Aufloesung / resolution 30 mm	Aufloesung / resolution 40 mm	Aufloesung / resolution 90 mm
150	216	-	-	-	-	-
225	291	-	R1.562.0225.1	-	-	-
300	366	R1.561.0300.1	R1.562.0300.1	R1.563.0300.1	R1.564.0300.1	-
450	516	R1.561.0450.1	R1.562.0450.1	R1.563.0450.1	R1.564.0450.1	R1.565.0450.1
600	666	R1.561.0600.1	R1.562.0600.1	R1.563.0600.1	R1.564.0600.1	R1.565.0600.1
750	816	R1.561.0750.1	R1.562.0750.1	R1.563.0750.1	R1.564.0750.1	R1.565.0750.1
900	966	R1.561.0900.1	R1.562.0900.1	R1.563.0900.1	R1.564.0900.1	R1.565.0900.1
1050	1116	R1.561.1050.1	R1.562.1050.1	R1.563.1050.1	R1.564.1050.1	R1.565.1050.1
1200	1266	R1.561.1200.1	R1.562.1200.1	R1.563.1200.1	R1.564.1200.1	R1.565.1200.1
1350	1416	R1.561.1350.1	R1.562.1350.1	R1.563.1350.1	R1.564.1350.1	R1.565.1350.1
1500	1566	R1.561.1500.1	R1.562.1500.1	R1.563.1500.1	R1.564.1500.1	R1.565.1500.1
1650	1716	R1.561.1650.1	R1.562.1650.1	R1.563.1650.1	R1.564.1650.1	R1.565.1500.1
1800	1866	R1.561.1800.1	R1.562.1800.1	R1.563.1800.1	R1.564.1800.1	R1.565.1800.1

Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Auflösung / resolution 20 mm	Auflösung / resolution 30 mm	Auflösung / resolution 40 mm	Auflösung / resolution 90 mm
150	216	R1.561.0150.2	R1.562.0150.2	-	-	-
225	291	-	R1.562.0225.2	-	-	-
300	366	R1.561.0300.2	R1.562.0300.2	R1.563.0300.2	R1.564.0300.2	-
450	516	R1.561.0450.2	R1.562.0450.2	R1.563.0450.2	R1.564.0450.2	R1.565.0450.2
600	666	R1.561.0600.2	R1.562.0600.2	R1.563.0600.2	R1.564.0600.2	R1.565.0600.2
750	816	R1.561.0750.2	R1.562.0750.2	R1.563.0750.2	R1.564.0750.2	R1.565.0750.2
900	966	R1.561.0900.2	R1.562.0900.2	R1.563.0900.2	R1.564.0900.2	R1.565.0900.2
1050	1116	R1.561.1050.2	R1.562.1050.2	R1.563.1050.2	R1.564.1050.2	R1.565.1050.2
1200	1266	R1.561.1200.2	R1.562.1200.2	R1.563.1200.2	R1.564.1200.2	R1.565.1200.2
1350	1416	R1.561.1350.2	R1.562.1350.2	R1.563.1350.2	R1.564.1350.2	R1.565.1350.2
1500	1566	R1.561.1500.2	R1.562.1500.2	R1.563.1500.2	R1.564.1500.2	R1.565.1500.2
1650	1716	R1.561.1650.2	R1.562.1650.2	R1.563.1650.2	R1.564.1650.2	R1.565.1650.2
1800	1866	R1.561.1800.2	R1.562.1800.2	R1.563.1800.2	R1.564.1800.2	R1.565.1800.2

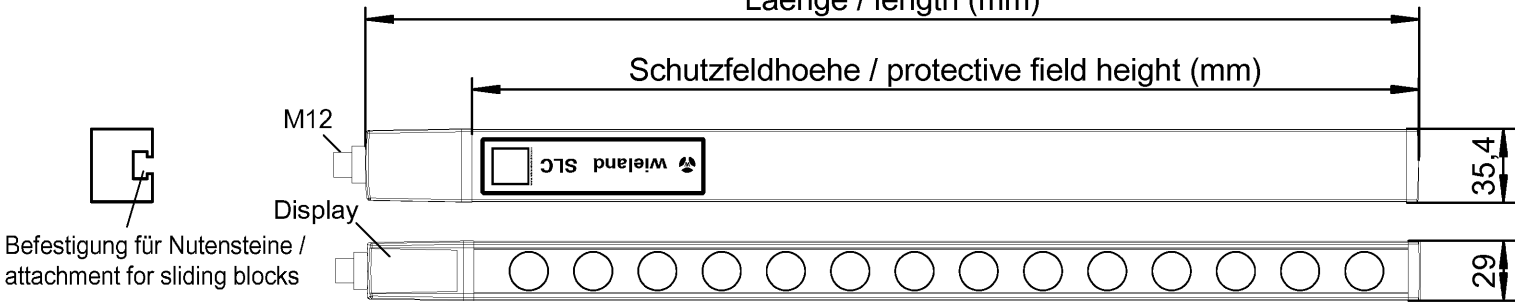
Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Auflösung / resolution 20 mm	Auflösung / resolution 30 mm	Auflösung / resolution 40 mm	Auflösung / resolution 90 mm
150	216	R1.561.0150.3	R1.562.0150.3	-	-	-
225	291	-	R1.562.0225.3	-	-	-
300	366	R1.561.0300.3	R1.562.0300.3	R1.563.0300.3	R1.564.0300.3	-
450	516	R1.561.0450.3	R1.562.0450.3	R1.563.0450.3	R1.564.0450.3	R1.565.0450.3
600	666	R1.561.0600.3	R1.562.0600.3	R1.563.0600.3	R1.564.0600.3	R1.565.0600.3
750	816	R1.561.0750.3	R1.562.0750.3	R1.563.0750.3	R1.564.0750.3	R1.565.0750.3
900	966	R1.561.0900.3	R1.562.0900.3	R1.563.0900.3	R1.564.0900.3	R1.565.0900.3
1050	1116	R1.561.1050.3	R1.562.1050.3	R1.563.1050.3	R1.564.1050.3	R1.565.1050.3
1200	1266	R1.561.1200.3	R1.562.1200.3	R1.563.1200.3	R1.564.1200.3	R1.565.1200.3
1350	1416	R1.561.1350.3	R1.562.1350.3	R1.563.1350.3	R1.564.1350.3	R1.565.1350.3
1500	1566	R1.561.1500.3	R1.562.1500.3	R1.563.1500.3	R1.564.1500.3	R1.565.1500.3
1650	1716	R1.561.1650.3	R1.562.1650.3	R1.563.1650.3	R1.564.1650.3	R1.565.1650.3
1800	1866	R1.561.1800.3	R1.562.1800.3	R1.563.1800.3	R1.564.1800.3	R1.565.1800.3

SLC 4 - Empfaenger Professional / receiver professional

Schutzfeld- hoehe / Pro- tective field height (mm)	Laenge / length (mm)	Aufloesung / resolution 14 mm	Aufloesung / resolution 20 mm	Aufloesung / resolution 30 mm	Aufloesung / resolution 40 mm	Aufloesung / resolution 90 mm
150	216	R1.571.0150.0	R1.572.0150.0	R1.573.0150.0	R1.574.0150.0	-
225	291	-	R1.572.0225.0	R1.573.0225.0	R1.574.0225.0	-
300	366	R1.571.0300.0	R1.572.0300.0	R1.573.0300.0	R1.574.0300.0	-
450	516	R1.571.0450.0	R1.572.0450.0	R1.573.0450.0	R1.574.0450.0	R1.575.0450.0
600	666	R1.571.0600.0	R1.572.0600.0	R1.573.0600.0	R1.574.0600.0	R1.575.0450.0
750	816	R1.571.0750.0	R1.572.0750.0	R1.573.0750.0	R1.574.0750.0	R1.575.0750.0
900	966	R1.571.0900.0	R1.572.0900.0	R1.573.0900.0	R1.574.0900.0	R1.575.0900.0
1050	1116	R1.571.1050.0	R1.572.1050.0	R1.573.1050.0	R1.574.1050.0	R1.575.1050.0
1200	1266	R1.571.1200.0	R1.572.1200.0	R1.573.1200.0	R1.574.1200.0	R1.575.1200.0
1350	1416	R1.571.1350.0	R1.572.1350.0	R1.573.1350.0	R1.574.1350.0	R1.575.1350.0
1500	1566	R1.571.1500.0	R1.572.1500.0	R1.573.1500.0	R1.574.1500.0	R1.575.1500.0
1650	1716	R1.571.1650.0	R1.572.1650.0	R1.573.1650.0	R1.574.1650.0	R1.575.1650.0
1800	1866	R1.571.1800.0	R1.572.1800.0	R1.573.1800.0	R1.574.1800.0	R1.575.1800.0

Laenge / length (mm)

Schutzfeldhoehe / protective field height (mm)



Weitere Angaben siehe KATALOG oder eKatalog. Additional data see CATALOG or eCatalog.				www.wieland-electric.com eshop.wieland-electric.com					
ja/yes ☒ 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		2017 gezeichnet drawn		Tag/Date 13.03.	
				Maßstab/Scale		Name Koetzner			
						geprüft checked			
						Normgepr. Stand. check			
Datei / File: 45271__01K.DCD				Ersatz für / Replacement for:					
Index		Datum / Blatt Date / Sheet		 www.wieland-electric.com		Type		Benennung / Title Teilespezifikation / Component specification Lichtgitter SLC / light curtain SLC	
Änderung / Revision									