

Data sheet

Commercial Art.No.: R1.554.0900.0

light curtain SLC-4ST40-0900

Safety-Lightcurtain Type 4, Receiver-Standard, Resolution 40 mm, L = 900 mm



| | |
|--------------------|---------------|
| Commercial Art.No. | R1.554.0900.0 |
| EAN | 4049088201325 |
| 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 | yes |
| automatic start | yes |
| restart interlock | no |
| alignment aid | no |
| blinking | no |
| cascadable | no |

technical data

| | |
|-------------------------------------|---------------|
| type acc. EN 61496-1 | 4 |
| resolution | 40 mm |
| protective field height | 900 mm |
| distance | 0 - 20 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 | 966 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: |
|---------------------|---|--|
| R1.594.1000.0 | tilted mirror tie bar SLX-COLM-1000 | Reflector column, persistant 1000 mm |
| R1.595.0900.0 | tilted mirror SLX-MIR-0900 | Reflector, length: 960 mm |
| 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 |
| R1.500.0505.0 | connection cable SLX-CAB-M12-0505 | SLC M12, 5 pin Connection Cable (unshielded), 5m long |
| R1.500.0510.0 | connection cable SLX-CAB-M12-0510 | Connection cable M12, 5-pole, Length 10m, unshielded |
| R1.500.0515.0 | connection cable SLX-CAB-M12-0515 | Connection cable M12, 5-pole, Length 15m, unshielded |
| R1.500.0525.0 | connection cable SLX-CAB-M12-0525 | Connection cable M12, 5-pole, Length 25m, unshielded |
| R1.500.0550.0 | connection cable SLX-CAB-M12-0550 | Connection cable M12, 5-pole, Length 50m, unshielded |
| 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 |
| R1.593.1000.0 | device columns SLX-COL-1000 | "Device column, profile heighth: 980 mm; Total heighth: 1060 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 |
|---------------|--------------------------------|---|

Fits with

| Commercial Art.No.: | Article-type description: | Description: |
|----------------------------|----------------------------------|---|
| R1.544.0900.0 | light curtain SLC-4TR40-0900 | Safety-Lightcurtain Type 4, Transmitter, Resolution 40 mm, L = 900 mm |

SLC 2 - Sender / transmitter

| Schutzfeldhöhe / Protective field height (mm) | Länge / length (mm) | Auflösung / resolution 20 mm | Auflösung / resolution 30 mm | Auflösung / resolution 40 mm | Auflösung / resolution 90 mm |
|---|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 150 | 216 | R1.512.0150.0 | R1.513.0150.0 | R1.514.0150.0 | - |
| 225 | 291 | R1.512.0225.0 | R1.513.0225.0 | R1.514.0225.0 | - |
| 300 | 366 | R1.512.0300.0 | R1.513.0300.0 | R1.514.0300.0 | - |
| 450 | 516 | R1.512.0450.0 | R1.513.0450.0 | R1.514.0450.0 | - |
| 600 | 666 | R1.512.0600.0 | R1.513.0600.0 | R1.514.0600.0 | R1.515.0600.0 |
| 750 | 816 | R1.512.0750.0 | R1.513.0750.0 | R1.514.0750.0 | R1.515.0750.0 |
| 900 | 966 | R1.512.0900.0 | R1.513.0900.0 | R1.514.0900.0 | R1.515.0900.0 |
| 1050 | 1116 | R1.512.1050.0 | R1.513.1050.0 | R1.514.1050.0 | R1.515.1050.0 |
| 1200 | 1266 | R1.512.1200.0 | R1.513.1200.0 | R1.514.1200.0 | R1.515.1200.0 |
| 1350 | 1416 | R1.512.1350.0 | R1.513.1350.0 | R1.514.1350.0 | R1.515.1350.0 |
| 1500 | 1566 | R1.512.1500.0 | R1.513.1500.0 | R1.514.1500.0 | R1.515.1500.0 |
| 1650 | 1716 | R1.512.1650.0 | R1.513.1650.0 | R1.514.1650.0 | R1.515.1650.0 |
| 1800 | 1866 | R1.512.1800.0 | R1.513.1800.0 | R1.514.1800.0 | R1.515.1800.0 |

SLC 2 - Empfänger Standard / receiver standard

| Schutzfeldhöhe / Protective field height (mm) | Länge / length (mm) | Auflösung / resolution 20 mm | Auflösung / resolution 30 mm | Auflösung / resolution 40 mm | Auflösung / resolution 90 mm |
|---|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 150 | 216 | R1.522.0150.0 | R1.523.0150.0 | R1.524.0150.0 | - |
| 225 | 291 | R1.522.0225.0 | R1.523.0225.0 | R1.524.0225.0 | - |
| 300 | 366 | R1.522.0300.0 | R1.523.0300.0 | R1.524.0300.0 | - |
| 450 | 516 | R1.522.0450.0 | R1.523.0450.0 | R1.524.0450.0 | - |
| 600 | 666 | R1.522.0600.0 | R1.523.0600.0 | R1.524.0600.0 | R1.525.0600.0 |
| 750 | 816 | R1.522.0750.0 | R1.523.0750.0 | R1.524.0750.0 | R1.525.0750.0 |
| 900 | 966 | R1.522.0900.0 | R1.523.0900.0 | R1.524.0900.0 | R1.525.0900.0 |
| 1050 | 1116 | R1.522.1050.0 | R1.523.1050.0 | R1.524.1050.0 | R1.525.1050.0 |
| 1200 | 1266 | R1.522.1200.0 | R1.523.1200.0 | R1.524.1200.0 | R1.525.1200.0 |
| 1350 | 1416 | R1.522.1350.0 | R1.523.1350.0 | R1.524.1350.0 | R1.525.1350.0 |
| 1500 | 1566 | R1.522.1500.0 | R1.523.1500.0 | R1.524.1500.0 | R1.525.1500.0 |
| 1650 | 1716 | R1.522.1650.0 | R1.523.1650.0 | R1.524.1650.0 | R1.525.1650.0 |
| 1800 | 1866 | R1.522.1800.0 | R1.523.1800.0 | R1.524.1800.0 | R1.525.1800.0 |

SLC 2 - Empfänger Select / receiver select

| Schutzfeldhöhe / Protective field height (mm) | Länge / length (mm) | Auflösung / resolution 20 mm | Auflösung / resolution 30 mm | Auflösung / resolution 40 mm | Auflösung / resolution 90 mm |
|---|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 150 | 216 | R1.532.0150.0 | R1.533.0150.0 | R1.534.0150.0 | - |
| 225 | 291 | R1.532.0225.0 | R1.533.0225.0 | R1.534.0225.0 | - |
| 300 | 366 | R1.532.0300.0 | R1.533.0300.0 | R1.534.0300.0 | - |
| 450 | 516 | R1.532.0450.0 | R1.533.0450.0 | R1.534.0450.0 | - |
| 600 | 666 | R1.532.0600.0 | R1.533.0600.0 | R1.534.0600.0 | R1.535.0600.0 |
| 750 | 816 | R1.532.0750.0 | R1.533.0750.0 | R1.534.0750.0 | R1.535.0750.0 |
| 900 | 966 | R1.532.0900.0 | R1.533.0900.0 | R1.534.0900.0 | R1.535.0900.0 |
| 1050 | 1116 | R1.532.1050.0 | R1.533.1050.0 | R1.534.1050.0 | R1.535.1050.0 |
| 1200 | 1266 | R1.532.1200.0 | R1.533.1200.0 | R1.534.1200.0 | R1.535.1200.0 |
| 1350 | 1416 | R1.532.1350.0 | R1.533.1350.0 | R1.534.1350.0 | R1.535.1350.0 |
| 1500 | 1566 | R1.532.1500.0 | R1.533.1500.0 | R1.534.1500.0 | R1.535.1500.0 |
| 1650 | 1716 | R1.532.1650.0 | R1.533.1650.0 | R1.534.1650.0 | R1.535.1650.0 |
| 1800 | 1866 | R1.532.1800.0 | R1.533.1800.0 | R1.534.1800.0 | R1.535.1800.0 |

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SLC 4 - Sender / transmitter

| Schutzfeldhöhe / Protective field height (mm) | Länge / length (mm) | Auflösung / resolution 14 mm | Auflösung / resolution 20 mm | Auflösung / resolution 30 mm | Auflösung / resolution 40 mm | Auflösung / resolution 90 mm |
|---|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 150 | 216 | R1.541.0150.0 | R1.542.0150.0 | R1.543.0150.0 | R1.544.0150.0 | - |
| 225 | 291 | - | R1.542.0225.0 | R1.543.0225.0 | R1.544.0225.0 | - |
| 300 | 366 | R1.541.0300.0 | R1.542.0300.0 | R1.543.0300.0 | R1.544.0300.0 | - |
| 450 | 516 | R1.541.0450.0 | R1.542.0450.0 | R1.543.0450.0 | R1.544.0450.0 | - |
| 600 | 666 | R1.541.0600.0 | R1.542.0600.0 | R1.543.0600.0 | R1.544.0600.0 | R1.545.0600.0 |
| 750 | 816 | R1.541.0750.0 | R1.542.0750.0 | R1.543.0750.0 | R1.544.0750.0 | R1.545.0750.0 |
| 900 | 966 | R1.541.0900.0 | R1.542.0900.0 | R1.543.0900.0 | R1.544.0900.0 | R1.545.0900.0 |
| 1050 | 1116 | R1.541.1050.0 | R1.542.1050.0 | R1.543.1050.0 | R1.544.1050.0 | R1.545.1050.0 |
| 1200 | 1266 | R1.541.1200.0 | R1.542.1200.0 | R1.543.1200.0 | R1.544.1200.0 | R1.545.1200.0 |
| 1350 | 1416 | R1.541.1350.0 | R1.542.1350.0 | R1.543.1350.0 | R1.544.1350.0 | R1.545.1350.0 |
| 1500 | 1566 | R1.541.1500.0 | R1.542.1500.0 | R1.543.1500.0 | R1.544.1500.0 | R1.545.1500.0 |
| 1650 | 1716 | R1.541.1650.0 | R1.542.1650.0 | R1.543.1650.0 | R1.544.1650.0 | R1.545.1650.0 |
| 1800 | 1866 | R1.541.1800.0 | R1.542.1800.0 | R1.543.1800.0 | R1.544.1800.0 | R1.545.1800.0 |

SLC 4 - Empfänger Standard / receiver standard

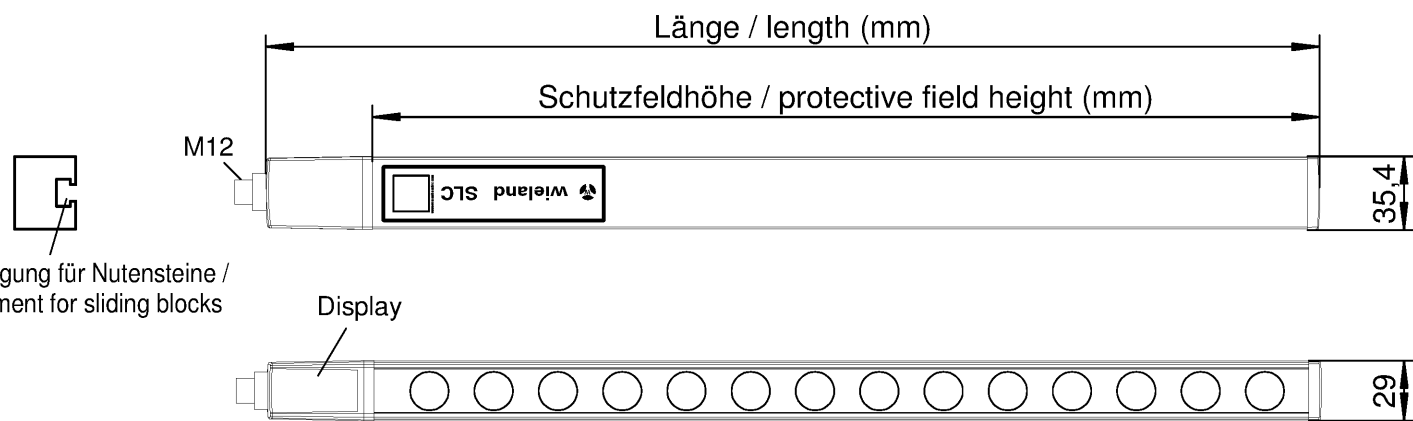
| Schutzfeldhöhe / Protective field height (mm) | Länge / length (mm) | Auflösung / resolution 14 mm | Auflösung / resolution 20 mm | Auflösung / resolution 30 mm | Auflösung / resolution 40 mm | Auflösung / resolution 90 mm |
|---|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 150 | 216 | R1.551.0150.0 | R1.552.0150.0 | R1.553.0150.0 | R1.554.0150.0 | - |
| 225 | 291 | - | R1.552.0225.0 | R1.553.0225.0 | R1.554.0225.0 | - |
| 300 | 366 | R1.551.0300.0 | R1.552.0300.0 | R1.553.0300.0 | R1.554.0300.0 | - |
| 450 | 516 | R1.551.0450.0 | R1.552.0450.0 | R1.553.0450.0 | R1.554.0450.0 | - |
| 600 | 666 | R1.551.0600.0 | R1.552.0600.0 | R1.553.0600.0 | R1.554.0600.0 | R1.555.0600.0 |
| 750 | 816 | R1.551.0750.0 | R1.552.0750.0 | R1.553.0750.0 | R1.554.0750.0 | R1.555.0750.0 |
| 900 | 966 | R1.551.0900.0 | R1.552.0900.0 | R1.553.0900.0 | R1.554.0900.0 | R1.555.0900.0 |
| 1050 | 1116 | R1.551.1050.0 | R1.552.1050.0 | R1.553.1050.0 | R1.554.1050.0 | R1.555.1050.0 |
| 1200 | 1266 | R1.551.1200.0 | R1.552.1200.0 | R1.553.1200.0 | R1.554.1200.0 | R1.555.1200.0 |
| 1350 | 1416 | R1.551.1350.0 | R1.552.1350.0 | R1.553.1350.0 | R1.554.1350.0 | R1.555.1350.0 |
| 1500 | 1566 | R1.551.1500.0 | R1.552.1500.0 | R1.553.1500.0 | R1.554.1500.0 | R1.555.1500.0 |
| 1650 | 1716 | R1.551.1650.0 | R1.552.1650.0 | R1.553.1650.0 | R1.554.1650.0 | R1.555.1650.0 |
| 1800 | 1866 | R1.551.1800.0 | R1.552.1800.0 | R1.553.1800.0 | R1.554.1800.0 | R1.555.1800.0 |

SLC 4 - Empfänger Select / receiver select

| Schutzfeldhöhe / Protective field height (mm) | Länge / length (mm) | Auflösung / resolution 14 mm | Auflösung / resolution 20 mm | Auflösung / resolution 30 mm | Auflösung / resolution 40 mm | Auflösung / resolution 90 mm |
|---|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 150 | 216 | R1.561.0150.0 | R1.562.0150.0 | R1.563.0150.0 | R1.564.0150.0 | - |
| 225 | 291 | - | R1.562.0225.0 | R1.563.0225.0 | R1.564.0225.0 | - |
| 300 | 366 | R1.561.0300.0 | R1.562.0300.0 | R1.563.0300.0 | R1.564.0300.0 | - |
| 450 | 516 | R1.561.0450.0 | R1.562.0450.0 | R1.563.0450.0 | R1.564.0450.0 | - |
| 600 | 666 | R1.561.0600.0 | R1.562.0600.0 | R1.563.0600.0 | R1.564.0600.0 | R1.565.0600.0 |
| 750 | 816 | R1.561.0750.0 | R1.562.0750.0 | R1.563.0750.0 | R1.564.0750.0 | R1.565.0750.0 |
| 900 | 966 | R1.561.0900.0 | R1.562.0900.0 | R1.563.0900.0 | R1.564.0900.0 | R1.565.0900.0 |
| 1050 | 1116 | R1.561.1050.0 | R1.562.1050.0 | R1.563.1050.0 | R1.564.1050.0 | R1.565.1050.0 |
| 1200 | 1266 | R1.561.1200.0 | R1.562.1200.0 | R1.563.1200.0 | R1.564.1200.0 | R1.565.1200.0 |
| 1350 | 1416 | R1.561.1350.0 | R1.562.1350.0 | R1.563.1350.0 | R1.564.1350.0 | R1.565.1350.0 |
| 1500 | 1566 | R1.561.1500.0 | R1.562.1500.0 | R1.563.1500.0 | R1.564.1500.0 | R1.565.1500.0 |
| 1650 | 1716 | R1.561.1650.0 | R1.562.1650.0 | R1.563.1650.0 | R1.564.1650.0 | R1.565.1650.0 |
| 1800 | 1866 | R1.561.1800.0 | R1.562.1800.0 | R1.563.1800.0 | R1.564.1800.0 | R1.565.1800.0 |

QU - PEE 12/92

Befestigung für Nutensteine / attachment for sliding blocks



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 | 2015 gezeichnet drawn 30.04. geprüft checked Normgepr. Stand. check | Tag/Date | Name | Zeichnung Nr. / Drawing No. T R1.512.0150.0 01K | | | |
| | | | | | | | |
| Maßstab/Scale | | Ersatz für / Replacement for: | | | | Teilespezifikation / Component specification Lichtvorhang SLC / light curtain SLC | |
| Datei / File: 40631_01K.DCD | | Type | | | | | |
| Index | | Datum / Blatt Date / Sheet | | | | | |
| Änderung / Revision | | www.wieland-electric.com | | | | | |