

Data sheet

Commercial Art.No.: R1.572.0750.0

light curtain SLC-4PR20-0750

Safety-Lightcurtain Type 4, Receiver-Professional, Resolution 20 mm, L = 750 mm



| | |
|--------------------|---------------|
| Commercial Art.No. | R1.572.0750.0 |
| EAN | 4049088397950 |
| 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 |
| blinking | yes |
| cascadable | no |

technical data

| | |
|-------------------------------------|---------------|
| type acc. EN 61496-1 | 4 |
| resolution | 20 mm |
| protective field height | 750 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 | 816 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, persistant 1000 mm |
| R1.595.0750.0 | tilted mirror SLX-MIR-0750 | Reflector, length: 810 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 heighth: 820 mm; Total heighth: 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: |
|---------------------|------------------------------|---|
| R1.542.0750.0 | light curtain SLC-4TR20-0750 | Safety-Lightcurtain Type 4, Transmitter, Resolution 20 mm, L = 750 mm |

SLC 4 - Sender / transmitter - Host

SLC 4 - Sender / transmitter - Guest

SLC 4 - Sender / transmitter - Middle Guest

| Schutzfeld-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / 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-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / 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-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / 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-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / 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 | R1.565.1650.1 |
| 1800 | 1866 | R1.561.1800.1 | R1.562.1800.1 | R1.563.1800.1 | R1.564.1800.1 | R1.565.1800.1 |

| Schutzfeld-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / 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 |

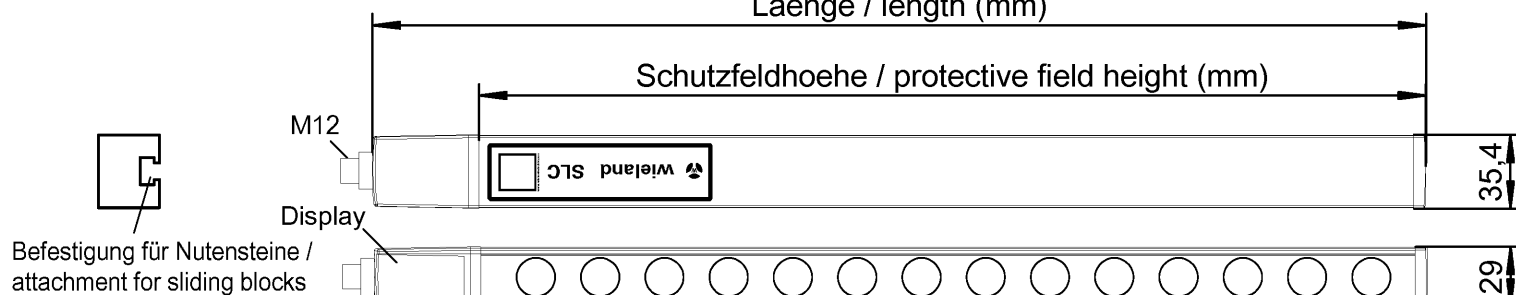
| Schutzfeld-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / resolution 90 mm |
|--|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 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-hoeh e / Protective field height (mm) | Laenge / length (mm) | Aufl oesung / resolution 14 mm | Aufl oesung / resolution 20 mm | Aufl oesung / resolution 30 mm | Aufl oesung / resolution 40 mm | Aufl oesung / 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 | Tag/Date | Name | | Zeichnung Nr. / Drawing No. | |
| Maßstab/Scale | | gezeichnet drawn | 13.03. | Koetzner | | T R1.571.0150.0 01K | |
| Datei / File: 45271_01K.DCD | | Ersatz für / Replacement for: | | Maße in mm / Dimensions are in mm | | | |
| Index | | Datum / Blatt Date / Sheet | | Type | | Benennung / Title | |
| Änderung / Revision | | www.wieland-electric.com | | Teilespezifikation / Component specification | | Lichtgitter SLC / light curtain SLC | |