

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Signal light, 24 V DC, IALA white, optimum, emission angle (vertical/Horizontal): 10.5 °/4.5 °, diameter: 174 mm, degree of protection: IP65/IP67, Communication interface, safe diagnostics

Product description

The signal light is designed for use in light signal systems (e.g., lock systems, movable bridges on inland waterways, etc.). The use of safety-related autonomous monitoring functions ensures high availability. Only components that conform to the industry standard are used for the monitoring functions. The signal light is available in various standardized light colors. The communication interface provides you with a large amount of diagnostic and status information. Due to safe 2-channel diagnostics, light signal systems up to performance level e and SIL 3 can be implemented.

Your advantages

- Developed in accordance with EN 12966-1, IALA recommendation E200-1
- Safe 2-channel diagnostics in conjunction with safety modules up to Cat. 4/PL e in accordance with EN ISO 13849-1, SIL 3 in accordance with EN 62061 and IEC 61508
- Fieldbus communication (possible distance from controller: 400 m)
- Fixed state in the event of interrupted communication
- High light and color intensity
- Can be dimmed in 256 steps
- Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 50000 h

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1029564 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DR07 |
| Product key | DRL121 |
| GTIN | 4055626530376 |
| Weight per piece (including packing) | 2,020 g |
| Weight per piece (excluding packing) | 1,680 g |
| Customs tariff number | 85308000 |
| Country of origin | DE |

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

Technical data

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Product properties

| | |
|----------------------|--|
| Product type | Signaling light |
| Application | Inland navigation |
| | Transportation infrastructure |
| | Safe diagnostics in accordance with IEC 61508 |
| Mounting position | vertical |
| Design | Operating hours counter |
| Special properties | Communication interface |
| | safe diagnostics |
| Diagnostics messages | LEDs; temperature, current, voltage, etc. yes |
| | Mains failure, communication failure yes |
| | Safe diagnostics (up to SIL 2/PL d) in conjunction with safe modules (safety technology) yes |
| Light color | IALA white, optimum |

Times

| | |
|-------------------------------|-------------|
| Typical response time | max. 400 ms |
| Typ. starting time with U_s | typ. 100 ms |
| Recovery time | max. 800 ms |

Electrical properties

General

| | |
|----------------|-------------------------------|
| Inrush current | max. 12 A (μ -sec-pulse) |
|----------------|-------------------------------|

Supply: Module electronics

| | |
|----------------------|--------------------------|
| Connection method | M12 connector |
| Number of positions | 8 |
| Supply voltage | 24 V DC |
| Supply voltage range | 19.2 V DC ... 30 V DC |
| Current consumption | max. 590 mA (white LEDs) |
| Power consumption | typ. 12 W (white LEDs) |

Output data

Digital:

| | |
|-------------------|---------------------------|
| Output name | Safe digital outputs |
| Number of outputs | 2 |
| Output current | max. 100 mA (per channel) |

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

| | |
|------------------------------------|--------------------------|
| Maximum output current per channel | 100 mA |
| Output voltage range | 17 V DC ... 31 V DC (DC) |

Connection data

| | |
|-------------------------------|---|
| Connection method | M12 connector |
| Note on the connection method | Hybrid 8-pos. Y-coded for power and data, and 4-pos. A-coded for safe diagnostics |

Signaling

Light properties

| | |
|----------------------|--|
| Source of light type | LED |
| Number of LEDs | 8 (in accordance with IALA recommendation E200-1 and CIE 1931) |
| Light color | IALA white, optimum |
| Color temperature | 5000 K \pm 1000 K |
| Color class | C2 (EN 12966) |
| Luminance | L3 (EN 12966) |
| Luminance ratio | R3 (EN 12966) |
| Phantom light class | 5 (EN 12368) |
| Luminous intensity | max. 7300 Cd |
| Can be dimmed | Yes, in 256 steps |
| Emission angle | 10.5 ° 4.5 ° |

Diagnostic messages

| | |
|-------------|---|
| Diagnostics | LEDs; temperature, current, voltage, etc. |
| Message | yes |

Diagnostic messages

| | |
|-------------|--------------------------------------|
| Diagnostics | Mains failure, communication failure |
| Message | yes |

Diagnostic messages

| | |
|-------------|--|
| Diagnostics | Safe diagnostics (up to SIL 2/PL d) in conjunction with safe modules (safety technology) |
| Message | yes |

Dimensions

| | |
|----------|--------|
| Depth | 66 mm |
| Diameter | 174 mm |

Material specifications

| | |
|---------------------|--|
| Color | black (RAL 9005) |
| Material Housing | Aluminum die-cast in accordance with DIN EN 1706 |
| Material Cover pane | Glass |

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

Characteristics

Safety data: EN ISO 13849

| | |
|------------------------|-----------------|
| Performance level (PL) | e (two-channel) |
|------------------------|-----------------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|--|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Degree of protection | IP65/IP67 (When installed) |
| Air pressure (operation) | 70 hPa ... 106 kPa (up to 3000 m above sea level) |
| Air pressure (storage/transport) | 70 hPa ... 106 kPa (up to 3000 m above sea level) |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |
| Permissible humidity (storage/transport) | 5 % ... 95 % (according to DIN EN 61131-2, non-condensing, no ice formation) |

Standards and regulations

| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Mounting

| | |
|-------------------|------------------|
| Mounting type | Screw mounting |
| | Snap-on assembly |
| Mounting position | vertical |

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1029564>

Functional Safety

Approval ID: 968/FSP 1690.01/19

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27110201 |
| ECLASS-15.0 | 27110201 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002750 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39111800 |
|-------------|----------|

CSD-SL 200S WH - Signal light



1029564

<https://www.phoenixcontact.com/us/products/1029564>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com