

CSD-SL 200 WH - Signal light

2701781

<https://www.phoenixcontact.com/us/products/2701781>

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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

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. You control the signal light from the application program using a controller from Phoenix Contact. The communication interface provides you with a large amount of diagnostic and status information.

Your advantages

- Developed in accordance with EN 12966-1, IALA recommendation E200-1
- 400 m connection to the control unit via fieldbus
- Diagnostic capability
- Failsafe function
- High light and color intensity
- Application-specific programming supported
- Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 50000 h
- Durable and energy-saving LED technology
- Fieldbus communication
- Can be dimmed in 256 steps

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2701781 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRL121 |
| GTIN | 4046356863834 |
| Weight per piece (including packing) | 1,710 g |
| Weight per piece (excluding packing) | 1,400 g |
| Country of origin | DE |

Technical data

Notes

Note on application

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

Utilization restriction

| | |
|----------|---|
| EMC note | EMC: class A product, see manufacturer's declaration in the download area |
|----------|---|

Product properties

| | |
|----------------------|---|
| Product type | Signaling light |
| Application | Inland navigation Transportation infrastructure |
| Mounting position | vertical |
| Design | Operating hours counter |
| Special properties | Communication interface |
| Diagnostics messages | LEDs; temperature, current, voltage, etc. yes Mains failure, communication failure yes |
| Light color | IALA white, optimum |

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 (DC) |
| Supply voltage range | 19.2 V DC ... 30 V DC (DC) |
| Current consumption | max. 450 mA (white LEDs) |
| Power consumption | typ. 9 W (white LEDs) |

Connection data

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

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 |

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| | |
|---------------------|-------------------|
| Color class | C2 (EN 12966) |
| Luminance | L3 (EN 12966) |
| Luminance ratio | R3 (EN 12966) |
| Phantom light class | 5 (EN 12368) |
| Luminous intensity | 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 |

Dimensions

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

Material specifications

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

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 |

Mounting

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

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

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