CSD-SL 200 RD - Signal light

2701784

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Signal light, 24 V DC, IALA red, 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 light colors. You can manage 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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2701784
Packing unit	1 pc

Minimum order quantity	1 pc
Sales key	DRL121
Product key	DRL121
GTIN	4046356863803
Weight per piece (including packing)	1,710 g
Weight per piece (excluding packing)	1,400 g
Customs tariff number	85308000
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 red, 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 (red LEDs)
Power consumption	typ. 9 W (red 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)
Color spectrum	620 nm ... 645 nm
Color class	C2 (EN 12966)

Luminance	L3 (EN 12966)
Luminance ratio	R3 (EN 12966)
Phantom light class	5 (EN 12368)
Luminous intensity	3200 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
Material Housing	corrosion-resistant (Light housing)
Material Cover pane	(Window)

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

Classifications

ECLASS

ECLASS-13.0	27110201
ECLASS-15.0	27110201

ETIM

ETIM 10.0	EC002750

UNSPSC

UNSPSC 21.0	39111800

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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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk