CSD-SL 300 RD - Signal light

2701788

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Signal light, 24 V DC, IALA red, optimum, emission angle (vertical/Horizontal): 8 °/30 °, diameter: 272 mm, degree of protection: IP65/IP67, Communication interface

Product description

The signal lights for maritime use can be used for the reliable and energy-efficient operation of light-signal systems, such as locks. Only components that conform to the industry standard are used for the monitoring functions. The signal light 300 is available in various light colors in accordance with major standards (e.g. IALA recommendation E200-1 and CIE 1931). The fieldbus communication provides the user with a large amount of diagnostic and status information.

Your advantages

- Developed in accordance with EN 12966-1, IALA recommendation E200-1, and CIE 1931
- Failsafe function
- 400 m connection to the control unit via fieldbus
- Diagnostic capability
- 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
- Emission angle: 8° x 30°
- Durable and energy-saving LED technology
- Fieldbus communication

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2701788
Packing unit	1 pc

Minimum order quantity	1 pc
Sales key	DRL122
Product key	DRL122
GTIN	4046356863438
Weight per piece (including packing)	4,200 g
Weight per piece (excluding packing)	4,411 g
Customs tariff number	85308000
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Signaling light
Application	Maritime navigation
	Transportation infrastructure
Design	Operating hours counter
Special properties	Communication interface
Diagnostics messages	LEDs; temperature, current, voltage, etc. yes
	Mains failure, communication failure Failsafe
Light color	IALA red, optimum

Electrical properties

General

Inrush current	max. 36 A (µ-sec-pulse)

Supply: Module electronics

Connection method	M17 hybrid connectors with SPEEDCON locking system
Number of positions	8
Supply voltage	24 V DC (DC)
Current consumption	max. 1.95 A (red LEDs)
Power consumption	max. 55 W (red LEDs)

Connection data

Connection method	M17 hybrid connectors with SPEEDCON locking system

Signaling

Light properties

Source of light type	LED
Number of LEDs	30 (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	15856 Cd
Can be dimmed	Yes, in 256 steps
Emission angle	8 °

	30 °

Diagnostic messages

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

Diagnostic messages

Diagnostics	Mains failure, communication failure
Message	Failsafe

Dimensions

Depth	68 mm
Diameter	272 mm

Material specifications

Color	black (RAL 9005)
Material	gray
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
Assembly note	Use of stainless steel fittings (corrosion-resistant)

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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