

## Signal lamp - CSD-SL 300 RD - 2701788

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LED signal lamp, 24 V DC, red, communication


### 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 according to 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 50 000 h
- Emission angle: 8° x 30°
- Durable and energy-saving LED technology
- Fieldbus communication

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 863438
GTIN	4046356863438

### Technical data

#### Dimensions

Width	272 mm
Height	291 mm
Depth	68 mm

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## Technical data

### Dimensions

Length	272 mm
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
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)
Degree of protection	IP65/IP67, when installed

### General

Assembly instructions	Use of stainless steel fittings (corrosion-resistant)
Net weight	3860 g
Diagnostics messages	LEDs; temperature, current, voltage, etc. Yes
	Mains failure, communication failure Failsafe
Design	Operating hours counter
Inrush current	max. 36 A (µ-sec-pulse)

### Power supply for 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)

### Light properties

Source of light type	LED
Number of LEDs	30 (according to IALA recommendation E200-1 and CIE 1931)
Service life, lighting appliance	50000 h
Light color	IALA red, optimum
Color temperature / wavelength	620...645 nm
Color class	C3 (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° x 30°

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Classifications

### eCl@ss

eCl@ss 10.0.1	27144051
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27144000
eCl@ss 5.1	27144000
eCl@ss 6.0	27144000
eCl@ss 7.0	27144051
eCl@ss 8.0	27144051
eCl@ss 9.0	27144051

### ETIM

ETIM 4.0	EC002584
ETIM 5.0	EC001959
ETIM 6.0	EC001340
ETIM 7.0	EC001340

### UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421
UNSPSC 12.01	39121421
UNSPSC 13.2	46171604
UNSPSC 19.0	46171604

## Accessories

### Accessories

#### Circular connector (cable-side)

##### Cable connector - ST-8EP1N8A8004S - 1613603



Cable connector, straight, SPEEDCON locking, M17, number of positions: 5+3+PE, type of contact: Pin, shielded: yes, cable diameter range: 8 mm ... 10 mm, number of positions: 9, connection method: Crimp connection

##### Cable connector - ST-8ES1N8A8004S - 1613622



Cable connector, straight, SPEEDCON locking, M17, number of positions: 5+3+PE, type of contact: Socket, shielded: yes, cable diameter range: 8 mm ... 10 mm, number of positions: 9, connection method: Crimp connection

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## Accessories

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### Crimp contact

Crimp contact - ST-06KP030 - 1607579



Crimp contact, turned, contact diameter: 0.6 mm, crimp range: 0.34 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>

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Crimp contact - ST-10KS035 - 1618464



Crimp contact, turned, contact diameter: 1 mm, crimp range: 0.25 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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Crimp contact - ST-06KS030 - 1607582



Crimp contact, turned, contact diameter: 0.6 mm, crimp range: 0.34 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>

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Crimp contact - ST-10KP035 - 1618458



Crimp contact, turned, contact diameter: 1 mm, crimp range: 0.25 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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### Crimping tool

Crimping pliers with digital display - SF-Z0054 - 1615585



Crimping pliers for turned crimp contacts Ø 0.6 mm / Ø 0.8 mm / Ø 1 mm / Ø 2 mm, litz wire cross section of 0.06 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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### Protective cover

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### Accessories

Metal protective cap - ST-Z0014 - 1616069



Metal protection cap for connectors with M17 external thread

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### Remote bus cable

Installation remote bus cable - IBS INBC METER/E - 2723152



By the meter, Installation remote bus cable, INTERBUS, shielded, PVC/PVC, black RAL 9005, 9-wire (3 x 2 x 0.22 mm<sup>2</sup> + 3 x 1 mm<sup>2</sup>), color single wire: green-yellow, white-brown, gray-pink, red, blue, green/yellow, for underground runs

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Hybrid cable - IBS EINBC METER - 2752107



INTERBUS hybrid cable for the extended installation remote bus

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