

Lighting and signaling

The LED lights, signal lights, and signal towers from Phoenix Contact are highly efficient, durable, and maintenance-free. They therefore represent the perfect solution for optimum application lighting and clear status signaling.

LED enclosure lights

Optimum illumination of the control cabinet ensures fast troubleshooting and wiring errors can be avoided. The LED enclosure lights in the PLD (Phoenix Contact Lighting Devices) product range provide optimum illumination inside your control cabinets right down to the bottom. Thanks to tool-free mounting, the lights can be mounted in no time at all.

LED machine lights

The LED machine lights from the PLD (Phoenix Contact Lighting Devices) product range illuminate your machines efficiently, homogeneously, and without glare. Select your machine lights from the comprehensive range: tailored to your application in terms of size, length, degree of protection, and beam angle.

LED tower lighting

The LED lights illuminate towers and shafts reliably and efficiently.

LED signal lights

With the robust LED signal lights, you can design reliable and energy-efficient signaling systems for maritime use, e.g., for locks, movable bridges, and waterways, in accordance with the Machinery Directive.

LED signal towers

Thanks to the considerable signal diversity of the modular signal towers in the PSD (Phoenix Contact Signaling Devices) product range, you can implement unambiguous signaling of your machine and system states. This reduces downtimes and avoids unnecessary costs.

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Enclosure lights



Class 400 LED enclosure lights
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Plug-in power supply unit for
class 400 LED enclosure lights
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Class 600 LED enclosure lights
- With motion detector
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Class 600 LED enclosure lights
- With motion detector and socket
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Machine lights



Class 100 LED machine lights
Width 23 mm, degree of protection IP67
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Class 200 LED machine lights
Ø 40 mm, degree of protection IP67
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Class 200 LED machine lights
Ø 70 mm, degree of protection IP67
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Class 200 LED machine lights
Length 284 mm, degree of protection IP69
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Tower lights



LED tower lighting
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Signal lights



LED signal lights, Ø 174 mm
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LED signal lights, Ø 272 mm
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Signal towers



Visual signal elements
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Audible signal elements
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Voice output element
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Connection and mounting elements
- For surface and tube mounting
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Class 400 LED enclosure lights

These LED lights are intended for use inside a control cabinet and provide optimum and efficient illumination right down to the bottom of the cabinet.

Thanks to the various lengths and swivelable light emission window, the lights can be adapted to different control cabinet widths and heights as well as to the depth of the control cabinet plate.

Your advantages

- Tool-free mounting, thanks to clip fastening
- Series connection reduces cabling effort for control cabinets arranged in series
- Optimum lighting of the control cabinet, thanks to integrated prismatics and capacity to swivel
- LED service life of 50,000 h (L70 value) prevents bulb replacement



Length 250 mm / 375 mm / 500 mm



Technical data	
Power supply for module electronics	
Supply voltage	24 V DC
Power consumption	1.5 W 3 W 5 W
Light properties	
Source of light type	LED
Service life, lighting appliance	50,000 h (L70)
Number of LEDs	5 12 20
Color temperature	5000 K
Color rendering index	75
Net luminous flux	140 lm 340 lm 560 lm
General data	
Connection method	M8 connector (snap-in)
Weight	120 g 170 g 220 g
Protection class	III
Degree of protection	IP20
Width	23 mm
Height	38 mm
Length	250 mm 375 mm 500 mm
Mounting position	any
Ambient temperature (operation)	-25°C ... 60°C

Ordering data	
Type	Order No.
PLD E 400 W 250	2702221
PLD E 400 W 375	2702222
PLD E 400 W 500	2702223

Accessories	
Mounting set, with magnets	2702312
Mounting set, with screws and washers	2702313
Mounting set (replacement part), with clip retainers	2702314
Sensor/actuator cable, 3 m, free cable end with ferrules	1417698
Sensor/actuator cable, 0.6 m	1417699
Sensor/actuator cable, 1 m	1417700
Sensor/actuator cable, 3 m	1417701
Door position switch, 3 m cable with free cable end, 0.6 m cable with M8 socket	2702336
Door position switch, 1 m cable with M8 connector, 0.6 m cable with M8 socket	2702337
Plug-in power supply unit 12 W, with adapter for EU, GB, US, AU	2702435
Plug-in power supply unit 30 W, with adapter for EU, GB, US, AU	2702436

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD E 400 W 250	2702221	1
PLD E 400 W 375	2702222	1
PLD E 400 W 500	2702223	1
Accessories		
PLD E 400-ME MM	2702312	1
PLD E 400-ME SM	2702313	1
PLD E 400-ME CM	2702314	1
SAC-3P- 3,0-PUR/M 8SIFS AE	1417698	1
SAC-3P-M 8MS/ 0,6-PUR/M 8SIFS	1417699	1
SAC-3P-M 8MS/ 1,0-PUR/M 8SIFS	1417700	1
SAC-3P-M 8MS/ 3,0-PUR/M 8SIFS	1417701	1
PLD E 400-DS-3,0/FS/0,6	2702336	1
PLD E 400-DS-MS/1,0-FS/0,6	2702337	1
PLD E 400-PS/1AC/24DC/12W	2702435	1
PLD E 400-PS/1AC/24DC/30W	2702436	1

Class 600 LED enclosure lights

These LED lights are intended for use inside a control cabinet and provide optimum and efficient illumination right down to the bottom of the cabinet.

Thanks to the integrated motion detector and integrated socket, you can save cabling material and cabling time.

Your advantages

- Tool-free mounting, thanks to the patented snap-in hook system
- Worldwide use, thanks to AC wide range input
- Integrated motion detector saves on MRP and installation costs for door position switches
- Socket enables the operation of external devices even when power is disconnected to the control cabinet
- Series connection reduces cabling effort for control cabinets arranged in series
- Optimum lighting of the control cabinet, thanks to integrated optics
- LED service life of 50,000 h (L70 value) prevents bulb replacement

Power supply for module electronics

Supply voltage range

Power consumption

Light properties

Source of light type

Service life, lighting appliance

Number of LEDs

Color temperature

Color rendering index

Net luminous flux

General data

Connection method

Weight

Protection class

Degree of protection

Width

Height

Length

Mounting position

Ambient temperature (operation)



Length: 265 mm



Technical data

85 V AC ... 265 V AC (50/60 Hz)

9.8 W

LED

50,000 h (L70)

23

4000 K

85

685 lm

Installation coupler

650 g

I

IP20

91 mm

44 mm

265 mm

any

-25°C ... 60°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD E 608 W 265	2702224	1

Accessories

Mounting set, with magnets	PLD E 608-ME MM	2702315	1
Mounting set, with screws and washers	PLD E 608-ME SM	2702316	1
Mounting set (replacement part), mounting carriage with snap-in hooks	PLD E 608-ME SFM	2702317	1
Connector, for series connection, black, 3-pos.	PLD E 608-CO-MS	2702308	5
Socket, for power supply and series connection, black, 3-pos.	PLD E 608-CO-FS	2702309	5
T-distributor, with 2 sockets and one connector for series connection, black, 3-pos.	PLD E 608-CO-MS/FS/FR	2702310	5
Cable, for connecting to the supply voltage, 3 m long	PLD E 608-CA-3,0/FS AM	2702302	1
Cable for series connection, 0.6 m long	PLD E 608-CA-MS/0,6/FS AM	2702303	1
Cable for series connection, 1 m long	PLD E 608-CA-MS/1,0/FS AM	2702304	1
Cable for series connection, 4 m long	PLD E 608-CA-MS/4,0/FS AM	2702305	1
Cable, for connecting to the supply voltage, 3 m long, with UL approval	PLD E 608-CA-3,0/FS/UL	2702306	1
Cable for series connection, 0.6 m long, with UL approval	PLD E 608-CA-MS/0,6/FS/UL	2702307	1



Length: 315 mm,
type F socket (CEE 7/4)



Length: 315 mm,
type E socket (CEE 7/5)



Length: 315 mm,
type B socket (NEMA 5-15)

EAC

Technical data
85 V AC ... 265 V AC (50/60 Hz) 9.8 W
LED 50,000 h (L70) 23 4000 K 85 685 lm
Installation coupler 770 g I IP20 91 mm 44 mm 315.4 mm any -25°C ... 60°C

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD E 608 W 315/F	2702226	1

Accessories		
PLD E 608-ME MM	2702315	1
PLD E 608-ME SM	2702316	1
PLD E 608-ME SFM	2702317	1
PLD E 608-CO-MS	2702308	5
PLD E 608-CO-FS	2702309	5
PLD E 608-CO-MS/FS/FR	2702310	5
PLD E 608-CA-3,0/FS AM	2702302	1
PLD E 608-CA-MS/0,6/FS AM	2702303	1
PLD E 608-CA-MS/1,0/FS AM	2702304	1
PLD E 608-CA-MS/4,0/FS AM	2702305	1

UL

Technical data
85 V AC ... 265 V AC (50/60 Hz) 9.8 W
LED 50,000 h (L70) 23 4000 K 85 685 lm
Installation coupler 770 g I IP20 91 mm 44 mm 315.4 mm any -25°C ... 60°C

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD E 608 W 315/E	2702228	1

Accessories		
PLD E 608-ME MM	2702315	1
PLD E 608-ME SM	2702316	1
PLD E 608-ME SFM	2702317	1
PLD E 608-CO-MS	2702308	5
PLD E 608-CO-FS	2702309	5
PLD E 608-CO-MS/FS/FR	2702310	5
PLD E 608-CA-3,0/FS AM	2702302	1
PLD E 608-CA-MS/0,6/FS AM	2702303	1
PLD E 608-CA-MS/1,0/FS AM	2702304	1
PLD E 608-CA-MS/4,0/FS AM	2702305	1

Technical data
100 V AC ... 125 V AC (50/60 Hz) 9.8 W
LED 50,000 h (L70) 23 4000 K 85 685 lm
Installation coupler 770 g I IP20 91 mm 44 mm 315.4 mm any -25°C ... 60°C

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD E 608 W 315/B	2702227	1

Accessories		
PLD E 608-ME MM	2702315	1
PLD E 608-ME SM	2702316	1
PLD E 608-ME SFM	2702317	1
PLD E 608-CO-MS	2702308	5
PLD E 608-CO-FS	2702309	5
PLD E 608-CO-MS/FS/FR	2702310	5
PLD E 608-CA-3,0/FS AM	2702302	1
PLD E 608-CA-MS/0,6/FS AM	2702303	1
PLD E 608-CA-MS/1,0/FS AM	2702304	1
PLD E 608-CA-MS/4,0/FS AM	2702305	1
PLD E 608-CA-3,0/FS/UL	2702306	1
PLD E 608-CA-MS/0,6/FS/UL	2702307	1

Lighting and signaling

Machine lights

Class 100 LED machine lights

These LED lights are designed for use inside machinery. They provide surface illumination of the interior of the machine.

Your advantages

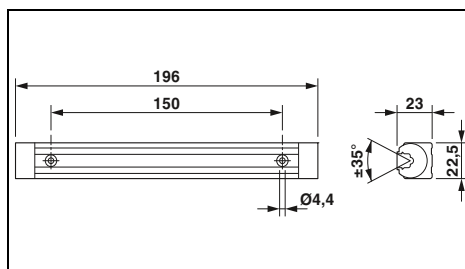
- Narrow design enables mounting even in confined spaces
- Ready to connect by means of punched-on 3 m supply line
- Focused illumination, thanks to swivel action
- IP67 protection enables use even in wet environments
- ETL approval permits use on the North American market
- Particularly economical, thanks to energy-efficient LED technology and an LED service life of at least 50,000 h



Length 196 mm



Length 336 mm



Technical data

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	22 V DC ... 26 V DC
Current consumption	typ. 0.15 A (at 24 V DC)
Power consumption	approx. 3.5 W (at 24 V DC)

Light properties

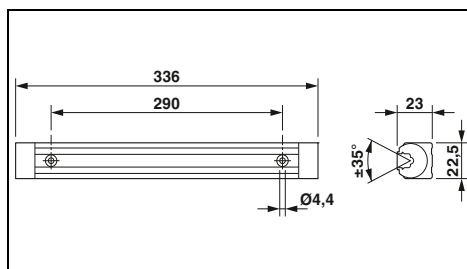
Source of light type	LED
Service life, lighting appliance	50,000 h (L70)
Number of LEDs	6
Light color	daylight white
Color temperature	6200 K ±10%
Color rendering index	75
Illumination	max. 206 lx (50 cm distance)
Average illumination	89 lx (distance of 50 cm over 1 m² area)
Emission angle	95 ° (C0-C180) 105 ° (C90-C270)
Energy efficiency class	A+

General data

Connection method	free cable end
Weight	0.2 kg
Degree of protection	IP67
Mounting position	any
Ambient temperature (operation)	0°C ... 40°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 160 W-95/105 196	2702475	1



Technical data

Supply voltage	24 V DC
Supply voltage range	22 V DC ... 26 V DC
Current consumption	typ. 0.3 A (at 24 V DC)
Power consumption	approx. 7 W (at 24 V DC)

Source of light type	LED
Service life, lighting appliance	50,000 h (L70)
Number of LEDs	12
Light color	daylight white
Color temperature	6200 K ±10%
Color rendering index	75
Illumination	max. 391 lx (50 cm distance)
Average illumination	169 lx (distance of 50 cm over 1 m² area)
Emission angle	95 ° (C0-C180) 105 ° (C90-C270)
Energy efficiency class	A+

Connection method	free cable end
Weight	0.4 kg
Degree of protection	IP67
Mounting position	any
Ambient temperature (operation)	0°C ... 40°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 160 W-95/105 336	2702476	1



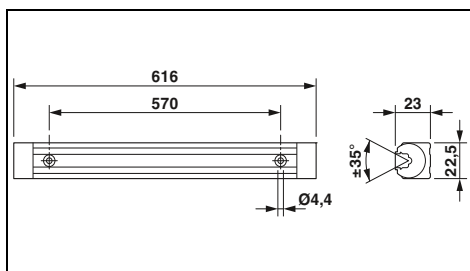
Length 616 mm



Length 896 mm



Length 1176 mm



Technical data

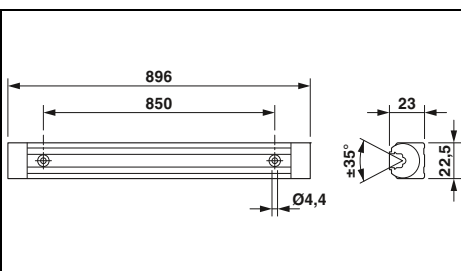
24 V DC
22 V DC ... 26 V DC
typ. 0.58 A (at 24 V DC)
approx. 14 W (at 24 V DC)

LED
50,000 h (L70)
24
daylight white
6200 K $\pm 10\%$
75
max. 691 lx (50 cm distance)
336 lx (distance of 50 cm over 1 m² area)
95 ° (C0-C180)
105 ° (C90-C270)
A+

free cable end
0.7 kg
IP67
any
0°C ... 40°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 160 W-95/105 616	2702477	1



Technical data

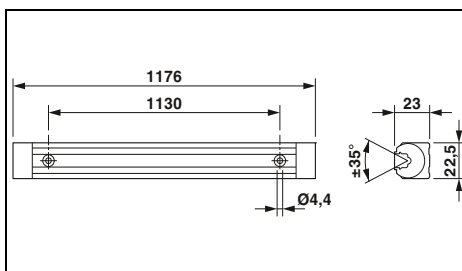
24 V DC
22 V DC ... 26 V DC
typ. 0.875 A (at 24 V DC)
approx. 21 W (at 24 V DC)

LED
50,000 h (L70)
36
daylight white
6200 K $\pm 10\%$
75
max. 833 lx (50 cm distance)
449 lx (distance of 50 cm over 1 m² area)
95 ° (C0-C180)
105 ° (C90-C270)
A+

free cable end
0.8 kg
IP67
any
0°C ... 40°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 160 W-95/105 896	2702478	1



Technical data

24 V DC
22 V DC ... 26 V DC
typ. 1.17 A (at 24 V DC)
approx. 28 W (at 24 V DC)

LED
50,000 h (L70)
48
daylight white
6200 K $\pm 10\%$
75
max. 908 lx (50 cm distance)
535 lx (distance of 50 cm over 1 m² area)
95 ° (C0-C180)
105 ° (C90-C270)
A+

free cable end
1 kg
IP67
any
0°C ... 40°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 160 W-95/105 1176	2702479	1

Lighting and signaling

Machine lights

Class 200 LED machine lights

These LED lights are designed for use inside machinery.

Your advantages

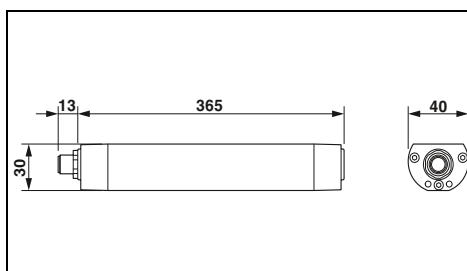
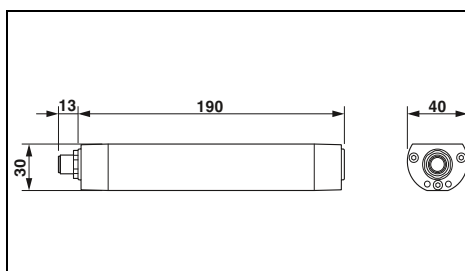
- Space saving, thanks to the small diameter
- Plug-in supply line enables free choice of the cable length as well as quick and easy installation
- Focused illumination, thanks to swivel action and different emission angles
- IP67 protection and resistance to cooling agents and lubricants enables use in machine tools
- Can be used at high temperatures and can be subjected to strong vibrations and shocks
- Safety glass enables use even in environments with potential mechanical strain
- Particularly economical, thanks to energy-efficient LED technology and an LED service life of at least 60,000 h



Ø 40 mm
Length 190 mm



Ø 40 mm
Length 365 mm



Technical data

PLD M...W-85/95... PLD M...W-40/80...

24 V DC
20 V DC ... 28 V DC
typ. 0.21 A (at 24 V DC)
approx. 5 W (at 24 V DC)

LED

60000 h (L70)
12
Neutral white
5000 K
80

max. 216 lx (distance of 1 m) max. 393 lx (distance of 1 m)
156 lx (distance of 1 m over 1 m² area) 223 lx (distance of 1 m over 1 m² area)

85 ° (C0-C180) 40 ° (C0-C180)
95 ° (C90-C270) 80 ° (C90-C270)

A+

M12 connector, (A-coded)

0.3 kg

IP67

Length without M12 flush-type connector

any

0°C ... 50°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-85/95 190/D40	2702480	1
PLD M 260 W-85/95 190/D40/SC	2702933	1
PLD M 260 W-40/80 190/D40	2702938	1

Accessories

PLD M-ME MC/D40	2702492	1
PLD M-ME MB/D40	2702527	1

Technical data

PLD M...W-85/95... PLD M...W-40/80...

24 V DC
20 V DC ... 28 V DC
typ. 0.44 A (at 24 V DC)
approx. 10.5 W (at 24 V DC)

LED

60000 h (L70)
27
Neutral white
5000 K
80

max. 477 lx (distance of 1 m) max. 846 lx (distance of 1 m)
348 lx (distance of 1 m over 1 m² area) 487 lx (distance of 1 m over 1 m² area)

85 ° (C0-C180) 40 ° (C0-C180)
95 ° (C90-C270) 80 ° (C90-C270)

A+

M12 connector, (A-coded)

0.55 kg

IP67

Length without M12 flush-type connector

any

0°C ... 50°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-85/95 365/D40	2702481	1
PLD M 260 W-85/95 365/D40/SC	2702934	1
PLD M 260 W-40/80 365/D40	2702939	1

Accessories

PLD M-ME MC/D40	2702492	1
PLD M-ME MB/D40	2702527	1

Power supply for module electronics

Supply voltage
Supply voltage range
Current consumption
Power consumption

Light properties

Source of light type
Service life, lighting appliance
Number of LEDs
Light color
Color temperature
Color rendering index
Illumination
Average illumination

Emission angle

Energy efficiency class

General data

Connection method
Weight
Degree of protection
Note regarding dimensions
Mounting position
Ambient temperature (operation)

Description

LED machine light, emission angle: 85°

- Can be connected in series

LED machine light, emission angle: 40°

Mounting holder

Mounting brackets



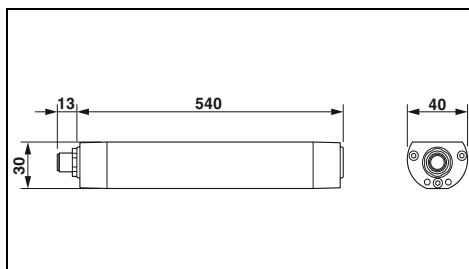
Ø 40 mm
Length 540 mm



Ø 40 mm
Length 715 mm



IP67/IPX9 protection



Technical data

PLD M...W-85/95... PLD M...W-40/80...

24 V DC
20 V DC ... 28 V DC
typ. 0.67 A (at 24 V DC)
approx. 16 W (at 24 V DC)

LED
60000 h (L70)
42
Neutral white
5000 K
80

max. 732 lx (distance of 1 m) max. 1270 lx (distance of 1 m)
541 lx (distance of 1 m over 1 m² area) 746 lx (distance of 1 m over 1 m² area)

85 ° (C0-C180) 40 ° (C0-C180)
95 ° (C90-C270) 80 ° (C90-C270)

A+

M12 connector, (A-coded)

0.8 kg

IP67

Length without M12 flush-type connector

any

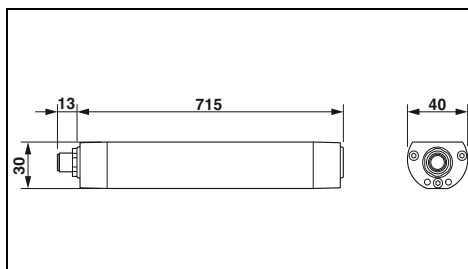
0°C ... 50°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-85/95 540/D40	2702482	1
PLD M 260 W-85/95 540/D40/SC	2702935	1
PLD M 260 W-40/80 540/D40	2702941	1

Accessories

PLD M-ME MC/D40	2702492	1
PLD M-ME MB/D40	2702527	1



Technical data

PLD M...W-85/95... PLD M...W-40/80...

24 V DC
20 V DC ... 28 V DC
typ. 0.9 A (at 24 V DC)
approx. 21.5 W (at 24 V DC)

LED
60000 h (L70)
57
Neutral white
5000 K
80

max. 957 lx (distance of 1 m) max. 1692 lx (distance of 1 m)
718 lx (distance of 1 m over 1 m² area) 1001 lx (distance of 1 m over 1 m² area)

85 ° (C0-C180) 40 ° (C0-C180)
95 ° (C90-C270) 80 ° (C90-C270)

A+

M12 connector, (A-coded)

1.1 kg

IP67

Length without M12 flush-type connector

any

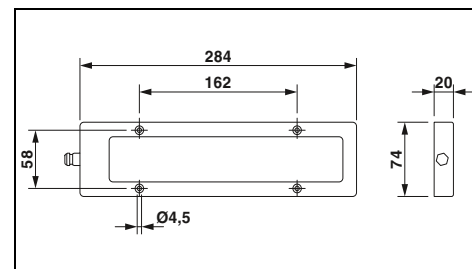
0°C ... 50°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-85/95 715/D40	2702483	1
PLD M 260 W-85/95 715/D40/SC	2702936	1
PLD M 260 W-40/80 715/D40	2702942	1

Accessories

PLD M-ME MC/D40	2702492	1
PLD M-ME MB/D40	2702527	1



Technical data

24 V DC
22 V DC ... 26 V DC
typ. 0.54 A (at 24 V DC)
approx. 13 W (at 24 V DC)

LED
50,000 h (L70)
6
daylight white
6500 K ±10%
65

max. 869 lx (distance of 1 m)
347 lx (distance of 1 m over 1 m² area)

40 °

A+

free cable end

1 kg

IP67/IPX9

-

any

0°C ... 40°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 280 W-40 284	2702491	1

Accessories

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Class 200 LED machine lights

These LED lights are designed for use inside machinery.

Your advantages

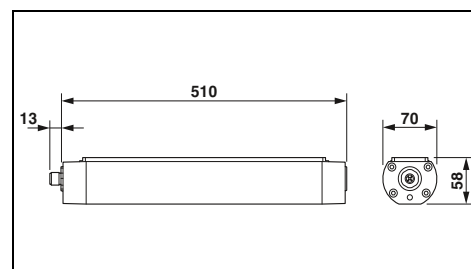
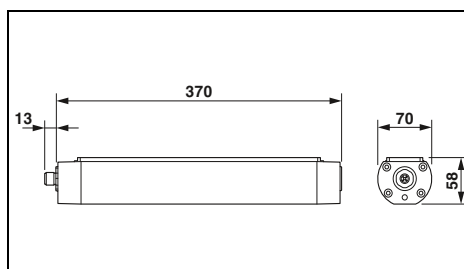
- Easy mechanical replacement of traditional tube lights (retrofit), thanks to 70 mm diameter
- Plug-in supply line enables free choice of the cable length as well as quick and easy installation
- Focused illumination, thanks to swivel action
- IP67 protection and resistance to cooling agents and lubricants enables use in machine tools
- Can be used at high temperatures and can be subjected to strong vibrations and shocks
- Safety glass enables use even in environments with potential mechanical strain



Ø 70 mm
Length 370 mm



Ø 70 mm
Length 510 mm



Technical data

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC
Current consumption	typ. 0.5 A (at 24 V DC)
Power consumption	approx. 12 W (at 24 V DC)

Light properties

Source of light type	LED
Service life, lighting appliance	60000 h (L70)
Number of LEDs	24
Light color	Neutral white
Color temperature	5000 K ±8%
Color rendering index	85
Illumination	max. 443 lx (distance of 1 m)
Average illumination	340 lx (distance of 1 m over 1 m² area)
Emission angle	75 ° (C0-C180) 95 ° (C90-C270)
Energy efficiency class	A+

General data

Connection method	M12 connector, (A-coded)
Weight	1.2 kg
Degree of protection	IP67
Note regarding dimensions	Length without M12 flush-type connector
Mounting position	any
Ambient temperature (operation)	0°C ... 45°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-75/95 370/D70	2702484	1

Accessories

PLD M-ME MC/D70	2702493	1
PLD M-ME MB/D70	2702494	1

Technical data

24 V DC
18 V DC ... 30 V DC
typ. 0.75 A (at 24 V DC)
approx. 18 W (at 24 V DC)

LED
60000 h (L70)
36
Neutral white
5000 K ±8%
85
max. 662 lx (distance of 1 m)
506 lx (distance of 1 m over 1 m² area)
75 ° (C0-C180)
95 ° (C90-C270)
A+

M12 connector, (A-coded)
1.7 kg
IP67
Length without M12 flush-type connector
any
0°C ... 45°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-75/95 510/D70	2702485	1

Accessories

PLD M-ME MC/D70	2702493	1
PLD M-ME MB/D70	2702494	1



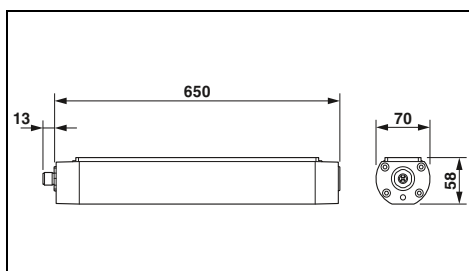
Ø 70 mm
Length 650 mm



Ø 70 mm
Length 790 mm



Ø 70 mm
Length 1070 mm



Technical data

24 V DC
18 V DC ... 30 V DC
typ. 1 A (at 24 V DC)
approx. 24 W (at 24 V DC)

LED
60000 h (L70)
48
Neutral white
5000 K ±8%
85
max. 856 lx (distance of 1 m)
657 lx (distance of 1 m over 1 m² area)
75 ° (C0-C180)
95 ° (C90-C270)
A+

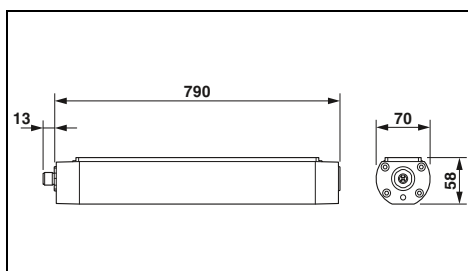
M12 connector, (A-coded)
2.1 kg
IP67
Length without M12 flush-type connector
any
0°C ... 45°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-75/95 650/D70	2702486	1

Accessories

PLD M-ME MC/D70	2702493	1
PLD M-ME MB/D70	2702494	1



Technical data

24 V DC
18 V DC ... 30 V DC
typ. 1.25 A (at 24 V DC)
approx. 30 W (at 24 V DC)

LED
60000 h (L70)
60
Neutral white
5000 K ±8%
85
max. 1056 lx (distance of 1 m)
814 lx (distance of 1 m over 1 m² area)
75 ° (C0-C180)
95 ° (C90-C270)
A+

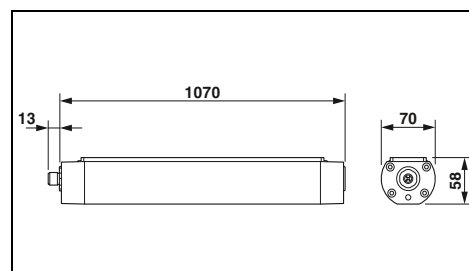
M12 connector, (A-coded)
2.6 kg
IP67
Length without M12 flush-type connector
any
0°C ... 45°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-75/95 790/D70	2702488	1

Accessories

PLD M-ME MC/D70	2702493	1
PLD M-ME MB/D70	2702494	1



Technical data

24 V DC
18 V DC ... 30 V DC
typ. 1.75 A (at 24 V DC)
approx. 42 W (at 24 V DC)

LED
60000 h (L70)
84
Neutral white
5000 K ±8%
85
max. 1391 lx (distance of 1 m)
1089 lx (distance of 1 m over 1 m² area)
75 ° (C0-C180)
95 ° (C90-C270)
A+

M12 connector, (A-coded)
3.8 kg
IP67
Length without M12 flush-type connector
any
0°C ... 45°C

Ordering data

Type	Order No.	Pcs./Pkt.
PLD M 260 W-75/95 1070/D70	2702489	1

Accessories

PLD M-ME MC/D70	2702493	1
PLD M-ME MB/D70	2702494	1

LED tower lighting

The LED lights illuminate towers and shafts reliably and efficiently. The light is designed for continuous operation for work spaces or ladders.

Your advantages:

- Time-saving installation, thanks to pre-assembled cabling
- No electrician required, thanks to plug-in connection technology
- Long service life of the lights for maintenance-free lighting



Wide optical distribution



Power supply for module electronics

Supply voltage range

Current consumption

Power consumption

Light properties

Source of light type

Service life, lighting appliance

Number of LEDs

Light color

Color temperature

Color rendering index

Luminous flux

General data

Connection method

Weight

Degree of protection

Width

Height

Length

Note regarding dimensions

Mounting position

Ambient temperature (operation)

Technical data

100 V AC ... 250 V AC (50/60 Hz)

typ. 42 mA (for 230 V AC)

approx. 10 W (for 230 V AC)

LED

50,000 h (L70)

24

Neutral white

5000 K

70

1100 lm (Gross)

QUICKON fast connection

687 g

IP67

91.7 mm

76.2 mm

307 mm

Specifications with connectors

any

-40°C ... 70°C

Ordering data

Description

LED lighting

LED lighting

- Suitable for series connection

Type

Order No.

Pcs./Pkt.

PLD T/1AC/AS/1CON

2402991

1

Accessories

Mounting set, with two brackets

PLD T/1AC/MNT

2402993

1



Wide optical distribution,
suitable for series connection



Directional light



Directional light,
suitable for series connection



Technical data
100 V AC ... 250 V AC (50/60 Hz) typ. 42 mA (for 230 V AC) approx. 10 W (for 230 V AC)
LED 50,000 h (L70) 24 Neutral white 5000 K 70 1100 lm (Gross)
QUICKON fast connection 802 g IP67 91.7 mm 76.2 mm 362 mm Specifications with connectors any -40°C ... 70°C

Technical data
100 V AC ... 250 V AC (50/60 Hz) typ. 42 mA (for 230 V AC) approx. 10 W (for 230 V AC)
LED 50,000 h (L70) 6 Neutral white 5000 K 70 1100 lm (Gross)
QUICKON fast connection 702 g IP67 91.7 mm 76.2 mm 307 mm Specifications with connectors any -40°C ... 70°C

Technical data
100 V AC ... 250 V AC (50/60 Hz) typ. 42 mA (for 230 V AC) approx. 10 W (for 230 V AC)
LED 50,000 h (L70) 6 Neutral white 5000 K 70 1100 lm (Gross)
QUICKON fast connection 819 g IP67 91.7 mm 76.2 mm 362 mm Specifications with connectors any -40°C ... 70°C

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD T/1AC/AS/2CON	2402992	1

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD T/1AC/UD/1CON	2403121	1

Ordering data		
Type	Order No.	Pcs./Pkt.
PLD T/1AC/UD/2CON	2403122	1

Accessories		
PLD T/1AC/MNT	2402993	1

Accessories		
PLD T/1AC/MNT	2402993	1

Accessories		
PLD T/1AC/MNT	2402993	1

LED signal lights, Ø 174 mm

The signal lights for maritime use can be used for the reliable and energy-efficient operation of light signal systems, such as at locks, movable bridges, and on waterways.

In combination with SafetyBridge Technology from Phoenix Contact, you can transmit and evaluate safety-related signals quickly and easily. Configure your system in accordance with the requirements of the Machinery Directive and satisfy safety functions up to SIL 2/PL d.

Your advantages:

- Safety-related function in accordance with safety standard IEC 61508 (signal light type 200S)
- Quick and easy integration into your network, thanks to standard interfaces
- Robust aluminum housing with IP65 protection for harsh outdoor use
- Reduced costs, thanks to durable and efficient LED technology
- High system availability, thanks to the use of safety-related autonomous monitoring functions

Power supply for module electronics	
Supply voltage	
Current consumption	
Power consumption	
Light properties	
Source of light type	
Service life, lighting appliance	
Number of LEDs	
Light color	
Color temperature	
Luminous intensity	
Emission angle	
Can be dimmed	
General data	
Connection method	
Weight	
Degree of protection	
Width	
Height	
Depth	
Ambient temperature (operation)	

Description
LED signal light
- With safe diagnostic interface
LED signal light
- Without diagnostic interface



Light color: white

Technical data	
CSD-SL 200S WH	CSD-SL 200 WH
24 V DC (DC)	
max. 590 mA (white LEDs)	max. 450 mA (white LEDs)
typ. 12 W (white LEDs)	typ. 9 W (white LEDs)
LED	
50000 h	
8 (in acc. with IALA recommendation E200-1 and CIE 1931)	
IALA white, optimum	
5000 K ±1000K	
7300 Cd	
7,5° x 7,5°	
Yes, in 256 steps	
M12 connector	
1400 g	
IP65/IP67, when installed	
174 mm	
178 mm	
66 mm	
-25°C ... 55°C	

Ordering data		
Type	Order No.	Pcs./Pkt.
CSD-SL 200S WH	1029564	1
CSD-SL 200 WH	2701781	1



new

Light color: green



new

Light color: red



new

Light color: yellow

Technical data

CSD-SL 200S GN

CSD-SL 200 GN

24 V DC (DC)
max. 740 mA (green LEDs) max. 600 mA (green LEDs)
typ. 14 W (green LEDs) typ. 11 W (green LEDs)

LED
50000 h
8 (in acc. with IALA recommendation E200-1 and CIE 1931)

IALA green, optimum
490...510 nm
4200 Cd
7,5° x 7,5°
Yes, in 256 steps

M12 connector
1400 g
IP65/IP67, when installed
174 mm
178 mm
66 mm
-25°C ... 55°C

Technical data

CSD-SL 200S RD

CSD-SL 200 RD

24 V DC (DC)
max. 590 mA (red LEDs) max. 450 mA (red LEDs)
typ. 12 W (red LEDs) typ. 9 W (red LEDs)

LED
50000 h
8 (in acc. with IALA recommendation E200-1 and CIE 1931)

IALA red, optimum
620...645 nm
3200 Cd
7,5° x 7,5°
Yes, in 256 steps

M12 connector
1400 g
IP65/IP67, when installed
174 mm
178 mm
66 mm
-25°C ... 55°C

Technical data

24 V DC (DC)
max. 400 mA (yellow LEDs)

typ. 8 W (yellow LEDs)

LED
50000 h
8 (in acc. with IALA recommendation E200-1 and CIE 1931)

IALA yellow, optimum
588...592 nm
2800 Cd
7,5° x 7,5°
Yes, in 256 steps

M12 connector
1400 g
IP65/IP67, when installed
174 mm
178 mm
66 mm
-25°C ... 55°C

Ordering data

Type	Order No.	Pcs./Pkt.
CSD-SL 200S GN	2404768	1
CSD-SL 200 GN	2701782	1

Ordering data

Type	Order No.	Pcs./Pkt.
CSD-SL 200S RD	2404767	1
CSD-SL 200 RD	2701784	1

Ordering data

Type	Order No.	Pcs./Pkt.
CSD-SL 200 YE	2701783	1

LED signal lights, Ø 272 mm

The signal lights for maritime use can be used for the reliable and energy-efficient operation of light-signal systems, such as locks.

Status and diagnostic functions provide a detailed database for smart maintenance and ensure the traceability of the system operating behavior.

Your advantages:

- Fast diagnostics and long-term data backup through integration into your network with standard protocols
- Robust aluminum housing with IP65 protection for harsh outdoor use
- Reduced costs, thanks to durable and efficient LED technology



Light color: white

Technical data		
CSD-SL 300 WH	CSD-SL 300 WH 8X8	CSD-SL 300 WH 30X30
Power supply for module electronics		
Supply voltage		
Current consumption		
Power consumption		
Light properties		
Source of light type		
Service life, lighting appliance		
Number of LEDs		
Light color		
Color temperature		
Luminous intensity		
Emission angle		
Can be dimmed		
General data		
Connection method		
Weight		
Degree of protection		
Width		
Height		
Depth		
Ambient temperature (operation)		
Ordering data		
Type	Order No.	Pcs./Pkt.
CSD-SL 300 WH 8X8	1002733	1
CSD-SL 300 WH	2701785	1
CSD-SL 300 WH 30X30	1051096	1

Description
LED signal light
- Emission angle: 8° x 8°
- Emission angle: 8° x 30°
- Emission angle: 30° x 30°
LED signal light, emission angle: 8° x 30°
- Light color: yellow
- Light color: blue



Light color: green



Light color: red



Light color: yellow/blue

Technical data

CSD-SL 300 GN CSD-SL 300 GN 30X30

24 V DC (DC)
max. 2.73 A (green LEDs)
max. 75 W (green LEDs)

LED

50000 h

30 (in acc. with IALA recommendation E200-1 and CIE 1931)

IALA green, optimum
490...510 nm

18504 Cd

6800 Cd

8° x 30°

30° x 30°

Yes, in 256 steps

M17 hybrid connectors with SPEEDCON locking system

4200 g
IP65/IP67, when installed
272 mm
291 mm
68 mm
-25°C ... 55°C

Ordering data

Type	Order No.	Pcs./Pkt.
CSD-SL 300 GN	2701786	1
CSD-SL 300 GN 30X30	1051088	1

Technical data

CSD-SL 300 RD CSD-SL 300 RD 30X30

24 V DC (DC)
max. 1.95 A (red LEDs)
max. 55 W (red LEDs)

LED

50000 h

30 (in acc. with IALA recommendation E200-1 and CIE 1931)

IALA red, optimum
620...645 nm

15856 Cd

4482 Cd

8° x 30°

30° x 30°

Yes, in 256 steps

M17 hybrid connectors with SPEEDCON locking system

4200 g
IP65/IP67, when installed
272 mm
291 mm
68 mm
-25°C ... 55°C

Ordering data

Type	Order No.	Pcs./Pkt.
CSD-SL 300 RD	2701788	1
CSD-SL 300 RD 30X30	1051076	1

Technical data

CSD-SL 300 YE CSD-SL 300 BU

24 V DC (DC)
max. 2.51 A (yellow LEDs) max. 2.43 A (blue LEDs)
max. 70 W (yellow LEDs) max. 70 W (blue LEDs)

LED

50000 h

30 (in acc. with IALA recommendation E200-1 and CIE 1931)

IALA yellow, optimum
588...592 nm

IALA blue, optimum
467 nm

11394 Cd

6405 Cd

8° x 30°

Yes, in 256 steps

M17 hybrid connectors with SPEEDCON locking system

4200 g
IP65/IP67, when installed
272 mm
291 mm
68 mm
-25°C ... 55°C

Ordering data

Type	Order No.	Pcs./Pkt.
CSD-SL 300 YE	2701787	1
CSD-SL 300 BU	2402723	1

Lighting and signaling

Signal towers

Erecting a tower

A signal tower can be erected or extended without using any tools in a matter of seconds by simply placing the individual signal elements on top of each other and twisting the bayonet locking system.

This automatically establishes an electrical connection between the elements. The control lines are then connected to screw or spring-cage terminal blocks in the connection element (bottom element).

Visual signal elements

The visual elements are available in a choice of five colors with various different signal types.

Audible signal elements

Signaling can also be supported by an audible element.

Mounting elements

The signal tower portfolio is completed by a wide range of mounting elements, which ensure optimum mounting of the signal towers according to the conditions.

Assemble your signal towers individually as follows:

- ① Select the appropriate mounting type for your application: surface or tube mounting.
- ② If applicable, select the mounting bracket or junction box.
- ③ If applicable, select the foot and the required tube length: 110 mm ... 1000 mm.
- ④ Select the appropriate connection element for the mounting type: screw or spring-cage connection.
- ⑤ Select the required visual signal elements and if applicable, an audible signal element.



Visual signal element – Multicolor

With the multicolor element, up to seven colors can be displayed with just one optical element. You can therefore save costs when it comes to storing and controlling signal towers.

The seven colors (red, yellow, green, blue, white, violet, and turquoise) are selected via a maximum of three control lines.

Features:

- Supply voltage: 24 V DC
- 7 colors can be selected
- The colors red, yellow, and green can be selected via just two control lines
- Minimum LED service life of 50,000 h



LED permanent light element,
multicolor



PSD electrical data

Input voltage
Maximum inrush current
Current consumption

General data

Material
Weight
Height
Diameter
Degree of protection

Ambient temperature (operation)
Mounting position

Technical data

24 V DC
max. 500 mA
120 mA

Polycarbonate PC
63 g
65.5 mm
70 mm
IP65, when installed or with cover

-20°C ... 50°C
any

Description

LED permanent light element, multicolor
The colors white, red, yellow, green, blue, violet or turquoise can be selected via control signal combination

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S OE LED MC	2702090	1

Accessories

End cover, black (replacement part)

Label board for towers with tube mounting, complete with assembly material

PSD-S AS END COVER	2700148	1
PSD-S AS LABEL BOARD	2700147	1

The visual signal elements enable clear visual indication of the machine or system state.

Features:

- 5 signal types to choose from
- Can be freely combined
- High light and color intensity
- Minimum LED service life of 50,000 h
- All elements for 24 V DC
- Random flashing beacon ensures display cannot be ignored



LED permanent light element



LED blinking light element



Technical data		
...GN / ...CL / ...BU	...RD / ...YE	
Input voltage	24 V AC/DC	
Maximum inrush current	max. 500 mA	
Current consumption	25 mA	max. 40 mA
General data		
Material	Polycarbonate PC	
Weight	58 g	
Height	65.5 mm	
Diameter	70 mm	
Degree of protection	IP65, when installed or with cover	
Ambient temperature (operation)	-30°C ... 50°C	
Mounting position	any	

Ordering data		
Type	Order No.	Pcs./Pkt.
PSD-S OE LED GN	2700119	1
PSD-S OE LED CL	2700127	1
PSD-S OE LED BU	2700131	1
PSD-S OE LED RD	2700107	1
PSD-S OE LED YE	2700122	1

Accessories		
PSD-S AS END COVER	2700148	1
PSD-S AS LABEL BOARD	2700147	1



Technical data		
...GN / ...CL / ...BU	...RD / ...YE	
Input voltage	24 V AC/DC	
Maximum inrush current	max. 500 mA	
Current consumption	25 mA	max. 35 mA
General data		
Material	Polycarbonate PC	
Weight	59 g	
Height	65.5 mm	
Diameter	70 mm	
Degree of protection	IP65, when installed or with cover	
Ambient temperature (operation)	-20°C ... 50°C	
Mounting position	any	

Ordering data		
Type	Order No.	Pcs./Pkt.
PSD-S OE LED BL GN	2700121	1
PSD-S OE LED BL CL	2700128	1
PSD-S OE LED BL BU	2700132	1
PSD-S OE LED BL RD	2700114	1
PSD-S OE LED BL YE	2700123	1

Accessories		
PSD-S AS END COVER	2700148	1
PSD-S AS LABEL BOARD	2700147	1

PSD electrical data
Input voltage
Maximum inrush current
Current consumption
General data
Material
Weight
Height
Diameter
Degree of protection
Ambient temperature (operation)
Mounting position

Description
Visual signal elements
Color: green
Color: white
Color: blue
Color: red
Color: yellow

End cover, black (replacement part)
Label board for towers with tube mounting, complete with assembly material



LED random flashing light element



LED flashing light element



LED rotating light element



Technical data

...CL / ...BU ...RD / ...YE

24 V DC
max. 500 mA

250 mA 350 mA

Polycarbonate PC

78 g

65.5 mm

70 mm

IP65, when installed or with cover

-20°C ... 50°C
any

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S OE LED RFL CL	2700130	1
PSD-S OE LED RFL BU	2700135	1
PSD-S OE LED RFL RD	2700118	1
PSD-S OE LED RFL YE	2700126	1

Accessories

PSD-S AS END COVER	2700148	1
PSD-S AS LABEL BOARD	2700147	1



Technical data

24 V DC
max. 200 mA
35 mA

Polycarbonate PC

72 g

65.5 mm

70 mm

IP65, when installed or with cover

-20°C ... 50°C
any

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S OE LED FL CL	2700129	1
PSD-S OE LED FL BU	2700134	1
PSD-S OE LED FL RD	2700115	1
PSD-S OE LED FL YE	2700124	1

Accessories

PSD-S AS END COVER	2700148	1
PSD-S AS LABEL BOARD	2700147	1



Technical data

24 V AC/DC
max. 500 mA
≤ 40 mA

Polycarbonate PC

65 g

65.5 mm

70 mm

IP65, when installed or with cover

-20°C ... 50°C
any

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S OE LED RL RD	2700116	1
PSD-S OE LED RL YE	2700125	1

Accessories

PSD-S AS END COVER	2700148	1
PSD-S AS LABEL BOARD	2700147	1

Audible signal elements

The audible signal elements enable clear audible indication of the machine or system state.

Features:

- Buzzer and siren elements
- Minimum volume of 80 dB(A)
- Adjustable volume
- Multi-tone siren signaling depending on the situation
- Multilingual signaling, thanks to voice output



**Buzzer element,
continuous/pulse tone**



**Siren element,
continuous tone and
alternating continuous tone**



Technical data			
24 V AC/DC ±10%			
21.6 V AC/DC ... 26.4 V AC/DC			
max. 200 mA			
25 mA			
Continuous/pulse tone			
approx. 1 Hz			
approx. 1.75 kHz			
85 dB(A)			
Polycarbonate PC			
73 g			
72 mm			
70 mm			
IP65, when installed			
-30°C ... 50°C			
Conformance with EMC Directive 2014/30/EU			
any			
Ordering data			
Type	Order No.	Pcs./Pkt	
PSD-S AE BM2-1 85DB	2700136	1	



Technical data			
24 V AC/DC ±10%			
21.6 V AC/DC ... 26.4 V AC/DC			
max. 100 mA			
40 mA			
Continuous tone			
Alternating continuous tone			
-			
approx. 3 kHz			
max. 105 dB			
Polycarbonate PC			
80 g			
54 mm			
70 mm			
IP65, when installed			
-30°C ... 50°C			
Conformance with EMC Directive 2014/30/EU			
any			
Ordering data			
Type	Order No.	Pcs./Pkt	
PSD-S AE SM2-7 105DB/1	2702998	1	



Siren element,
pulse tone



Siren element,
tones can be selected



Voice output element



Technical data

24 V DC $\pm 10\%$
21.6 V DC ... 26.4 V DC

max. 500 mA
150 mA

Pulse tone, automatic volume control

approx. 1 Hz
approx. 2.5 kHz
-

Polycarbonate PC
122 g
110 mm
71.5 mm
IP65, when installed
-20°C ... 50°C
Conformance with EMC Directive 2014/30/EU
any

Technical data

PSD-S AE SM8-6 102DB/1

PSD-S AE SM7-4 100DB/3

24 V AC/DC $\pm 10\%$
21.6 V AC/DC ... 26.4 V AC/DC

24 V DC $\pm 10\%$
21.6 V DC ... 26.4 V DC

max. 250 mA
30 mA

max. 500 mA
80 mA

8 tones, adjustable volume

7 tones, remotely controlled

approx. 20 Hz (trill tone)
approx. 2.8 kHz
max. 102 dB (continuous and
pulse tone at 2.8 kHz)

approx. 1 Hz (pulse tone)
approx. 1.6 kHz
max. 100 dB(A) (continuous and
pulse tone at 3.4 kHz)

Polycarbonate PC
80 g
54 mm 72 mm
70 mm
IP65, when installed
-30°C ... 50°C -20°C ... 50°C
Conformance with EMC Directive 2014/30/EU
any

Technical data

24 V DC $\pm 10\%$
21.6 V DC ... 26.4 V DC

max. 3 A (for approximately 2 ms)
< 50 mA (in standby mode)

Voice, max. 15 texts

-
-
approx. 88 dB(A)

Polycarbonate PC
184 g
110 mm
71.5 mm
IP65, when installed
-20°C ... 50°C
Conformance with EMC Directive 2014/30/EU
any

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S AE SP1-3 100DB/2	2700137	1

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S AE SM8-6 102DB/1	2702997	1
PSD-S AE SM7-4 100DB/3	2700141	1

Ordering data

Type	Order No.	Pcs./Pkt.
PSD-S AE V15/1	2700140	1

Lighting and signaling

Signal towers

Connection elements

The cables for controlling the visual and/or audible elements are connected to the connection element. They can either be mounted directly on a surface or on a tube.



For surface mounting



For tube mounting

PSD electrical data
Nominal input voltage range
General data
Material
Weight
Height
Diameter
Degree of protection
Ambient temperature (operation)

Technical data		
12 V AC/DC ... 240 V AC/DC		
PA-GF		
83 g		
27 mm		
69 mm		
IP65, when installed		
-30°C ... 50°C		

Technical data		
12 V AC/DC ... 240 V AC/DC		
PA-GF		
84 g		
27 mm		
69 mm		
IP65, when installed		
-30°C ... 50°C		

Description
Connection element
- With screw connection terminal blocks
- With spring-cage terminal blocks

Ordering data		
Type	Order No.	Pcs./Pkt.
PSD-S CE-SM SCREW	2700093	1
PSD-S CE-SM SPRING	2700091	1

Ordering data		
Type	Order No.	Pcs./Pkt.
PSD-S CE-TM SCREW	2700095	1
PSD-S CE-TM SPRING	2700092	1

Cable gland, M16 x 1.5 mm, black

Accessories		
PSD-S AS CABLE GLAND M16X1,5	2700145	1

Accessories		

Mounting elements for base mounting

For base mounting, the mounting foot of the connection element can be mounted on an outlet box or an angled connector as an option.

Your options:

- With visible cable routing
- With concealed cable routing
- Two-sided mounting for up to 10 signal elements



Junction box and bracket



Bracket with concealed cable routing

General data
Material
Weight
Ambient temperature (operation)
Mounting type

Technical data	
PSD-S ME OB	PSD-S ME BR-SM
PA-GF	PA A3 x 2G5
73 g	40 g
-30°C ... 60°C	-30°C ... 50°C
Base mounting	Base mounting

Technical data	
PSD-S ME BR-SM/1S	PSD-S ME BR-SM/2S
PA A3 x 2G5	PA A3 x 2G5
78 g	71 g
-30°C ... 60°C	-30°C ... 60°C
Base mounting	Base mounting

Description
Outlet box with lateral cable entry
- For base mounting
Angled connector
- With visible cable routing
Angled connector with concealed cable routing
- For single-sided base mounting
- For two-sided base mounting

Ordering data		
Type	Order No.	Pcs./Pkt.
PSD-S ME OB	2700153	1
PSD-S ME BR-SM	2700144	1

Ordering data		
Type	Order No.	Pcs./Pkt.
PSD-S ME BR-SM/1S	2700160	1
PSD-S ME BR-SM/2S	2700161	1

COMPLETE line

The comprehensive solution for the control cabinet

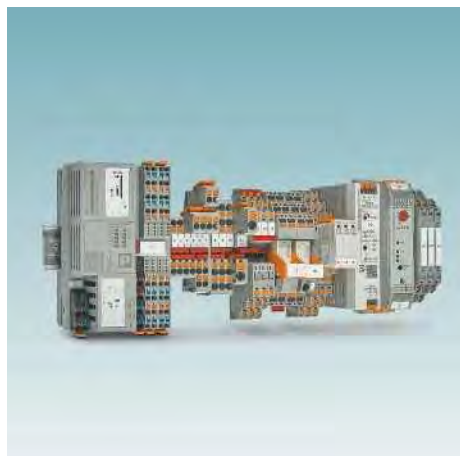
Easy planning, intuitive installation



COMPLETE line is a system comprising technologically leading and coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.

Your advantages at a glance:

- Intuitive handling, thanks to the uniform design, look, and function
- Time savings across the entire engineering process, thanks to consistent software support
- Reduced logistics costs with standardized accessories and reduced variety of parts
- Optimized processes in control cabinet manufacturing, thanks to custom services and innovative manufacturing solutions



Comprehensive product portfolio

With COMPLETE line, we offer a complete product portfolio of technologically leading products. These include:

- Controllers and I/O modules
- Power supplies and device circuit breakers
- Terminal blocks and distribution blocks
- Relay modules and motor starters
- Signal conditioners
- Safety technology
- Surge protection
- Heavy-duty connectors

Intuitive handling

Thanks to the simple, intuitive handling of the coordinated hardware components you will save time during installation, startup, and maintenance. Push-in connection technology enables you to wire applications quickly – without using tools. The broad, technologically leading product portfolio will always provide you with the right product for standard or special applications.

Time savings across the entire engineering process

The PROJECT complete planning and marking software supports the entire control cabinet manufacturing process. The program features an intuitive user interface and enables the individual planning, automatic checking, and direct ordering of terminal strips.



Reduced logistics costs

Reduced variety of parts, thanks to standardized marking, bridging, and testing accessories. The COMPLETE line system coordinates products, design, and accessories in a way that you benefit from maximum reusability and thus reduce your logistics costs.

Optimized processes in control cabinet manufacturing

From engineering through to manufacturing, COMPLETE line supports you in making your control cabinet production as efficient as possible. Thus creating a customized concept for optimizing your processes in control cabinet manufacturing.

Our terminal strip production helps you to flexibly manage peak order times or to supply your control cabinet production with fully assembled DIN rails just-in-time.

Additional information:

Find out more about COMPLETE line and your comprehensive solutions for the control cabinet. Visit our website:

phoenixcontact.com/completeline