

2026



Industrial lighting and signal technology

Enclosure lights, machine lights, and signaling devices

Industrial lighting and signal technology

Efficient solutions for machines and systems

The lights and signaling devices from Phoenix Contact enable you to create optimum lighting conditions and ensure clear status displays – in the control cabinet, on machines, or throughout the entire system. They thus provide greater safety, clarity, and efficiency.



1 Enclosure lights

Ensure optimum lighting conditions in the control cabinet – compact, energy-efficient, and easy to install.

> More information starting on page 6

2 Machine lights

Robust lighting solutions for machines and systems – for precise work, even in dark areas.

> More information starting on page 12



3 Signal lights

Signal towers and signal lights clearly and reliably indicate system states – for greater safety and clarity

➤ More information starting on page 22

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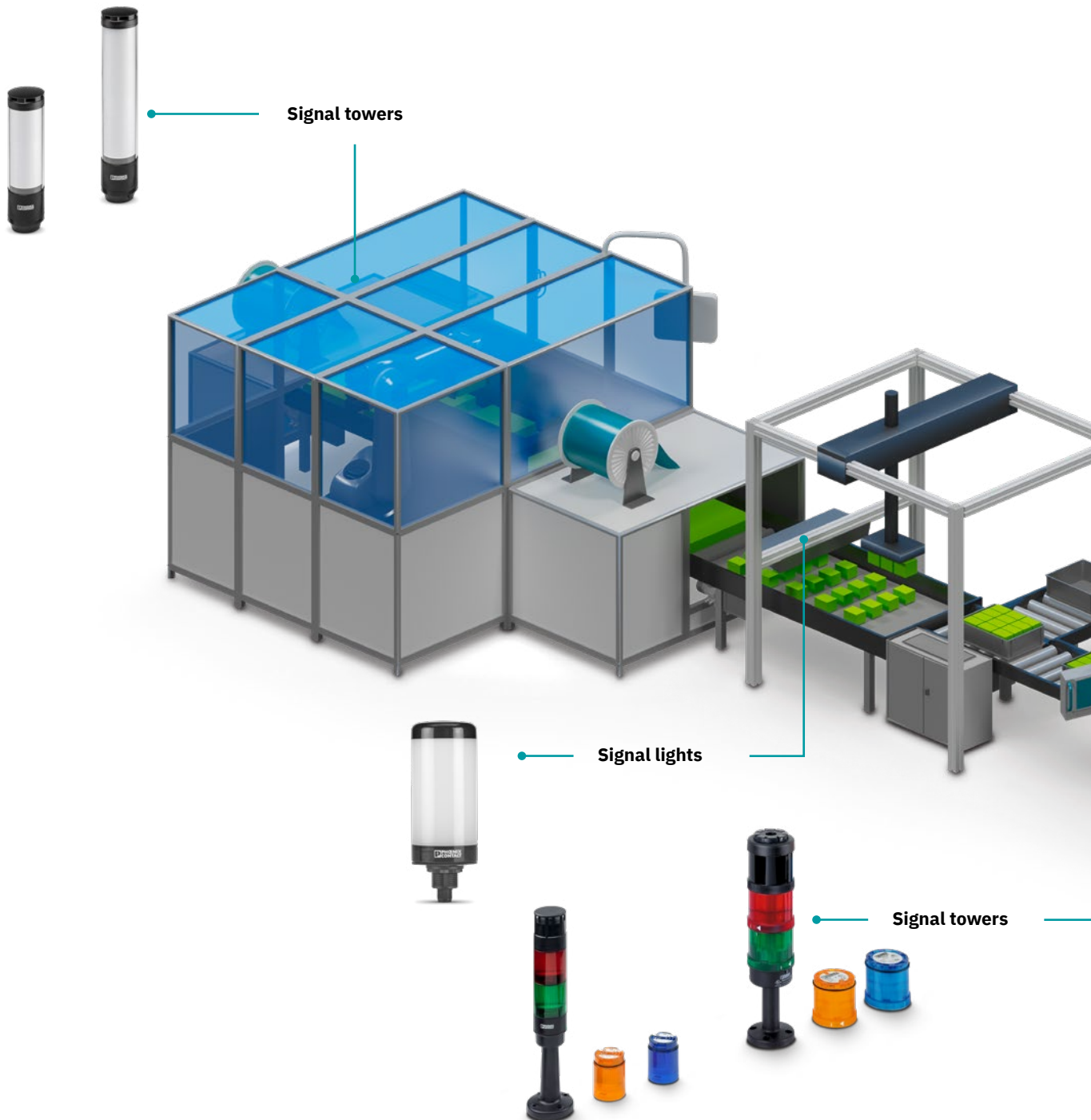
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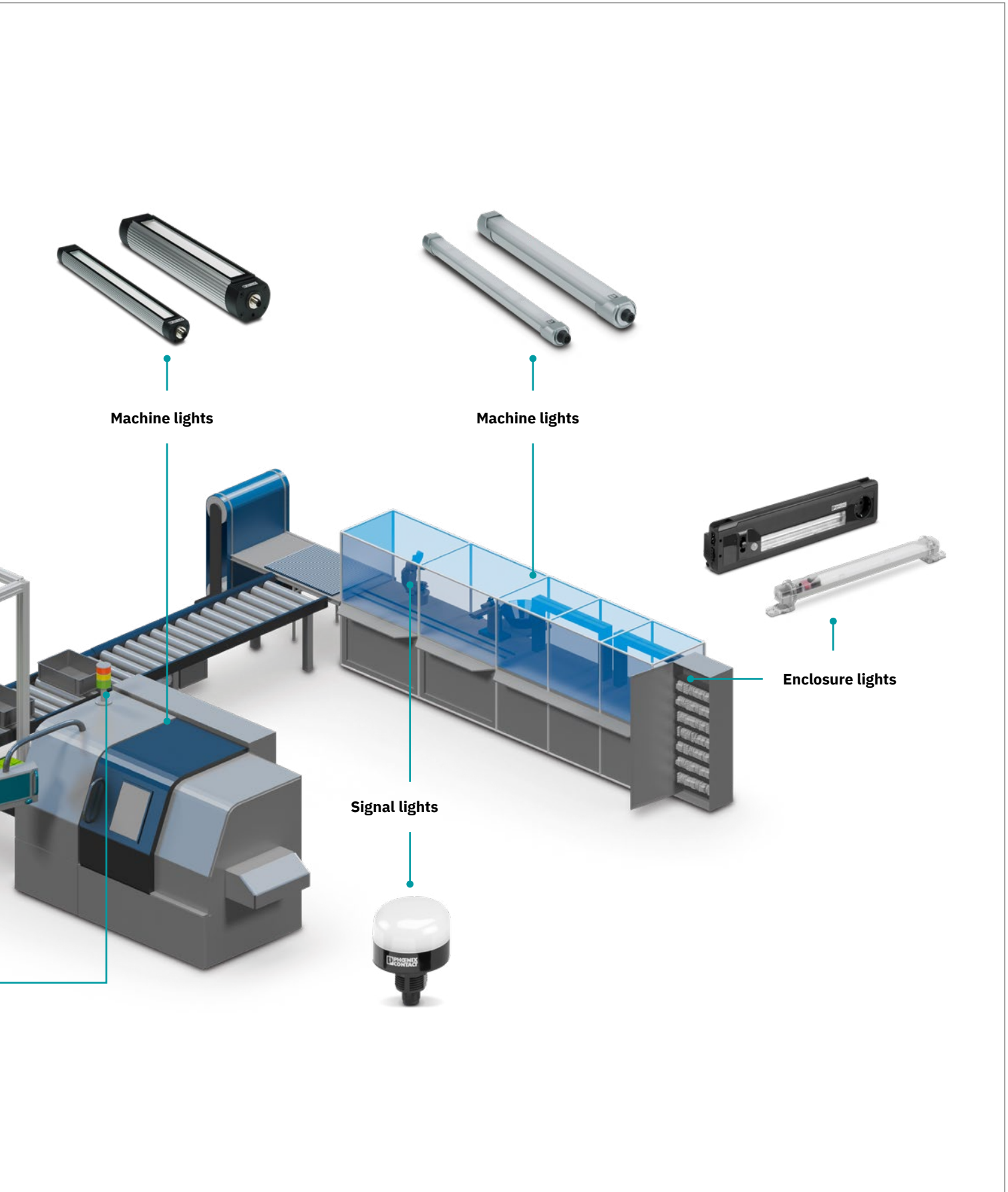
Overview of the areas of application

Our industrial lighting and signal technology is so versatile

Whether in the control cabinet, on machines, or along the entire production line – lights and signaling devices from Phoenix Contact can be flexibly integrated into various

applications. Discover the typical areas of application and ensure greater safety, clarity, and efficiency in your system.





Machine lights

Machine lights

Enclosure lights

Signal lights

Enclosure lights

1

The Phoenix Contact enclosure lights provide optimal illumination for your control cabinet. With the two performance classes, the lighting portfolio enables individual adaptation to the specific requirements of your application. The lights are available with and without motion sensor. To ensure reliable function in different voltage networks, they feature a wide range voltage input. The portfolio is rounded out by lights with socket inserts. You can rely on quality and versatility for reliably illuminating your working environment.



Standard lights

Cost-effective and flexible. Can be swiveled, with Push-in connection, screw/magnetic holder, and AC/DC input.

➤ More information starting on page 8



AC lights

Universal and robust. Integrated socket, plug-in connection, and AC wide range input.

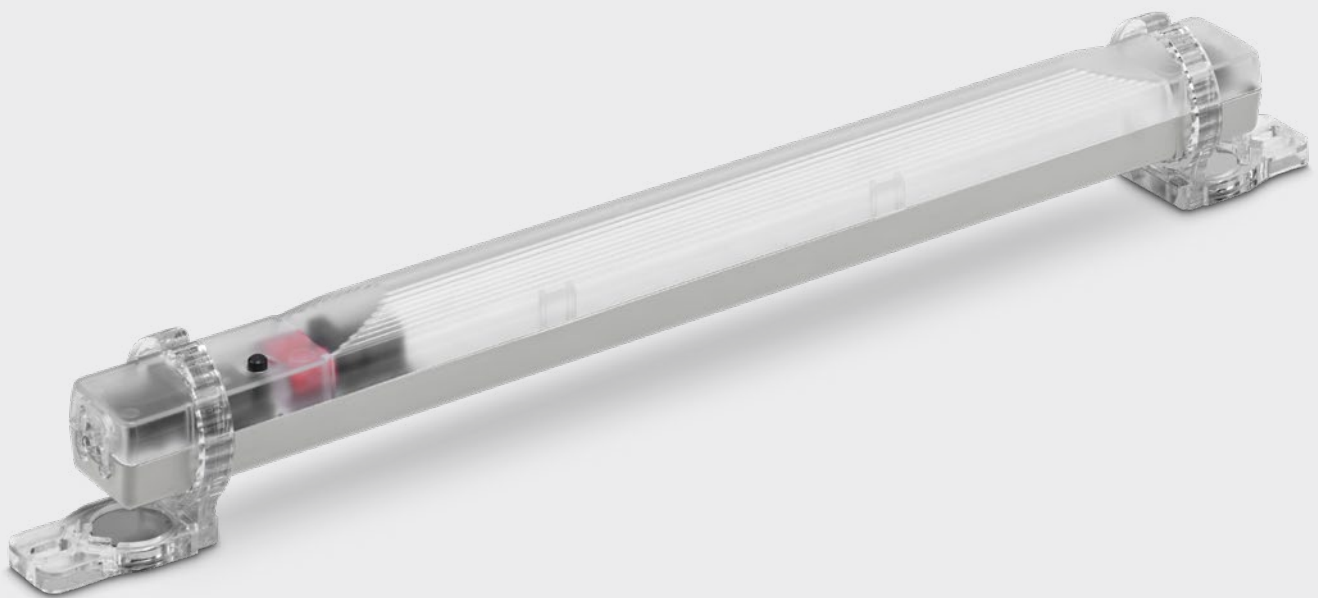
➤ More information starting on page 10

Enclosure lights

Standard lights

Cost-effective and flexible

The class 409 enclosure lights feature a compact design and flexible power supply. The Push-in connections ensure quick and easy installation. The light is available as a version with or without motion sensor.



Your advantages

- ✓ Optimum illumination of the entire control cabinet with high-quality optics that can be swiveled
- ✓ Flexible use with the AC/DC wide range input
- ✓ UL approval for use on the North American market
- ✓ Class 409 Push-in connection saves time during cabling
- ✓ Long LED service life eliminates maintenance effort and the need to replace lights

Further information and product data

Maximum illumination, minimum power dissipation

The LED light supplies 700 lm at 5,000 K. The integrated prismatics ensure optimum illumination of the control cabinet. A magnetic or screw holder can be used, allowing the light to be swiveled $\pm 90^\circ$. The voltage range is 24 - 265 V AC/DC with just 6 W power consumption.

Connection is via Push-in. Up to ten lights can be connected in series. A button switches between motion sensor mode and permanently ON mode. A PIR sensor with 100° detection angle is integrated as the motion sensor.



Standard light mounted in the control cabinet

Door position switch

The door position switch is used to automatically switch the enclosure lights on and off without an integrated motion sensor when opening and closing the control cabinet door. If the lights are connected in series, you can use the switch at any chosen position upstream of the first light or between two lights.




Main features

- Suitable for serial connections
- Two free ends for quick Push-in connection
- UL approval



The door position switch is available as an accessory

PLD E 409 enclosure lights

	Description	Item no.	Type
	LED enclosure light, 24 V AC/DC ... 265 V AC/DC, length: 350 mm, degree of protection: IP20, can be swiveled ($\pm 90^\circ$ swivel range), including mounting accessories	1319569	PLD E 409 W 350
	LED enclosure light, 24 V AC/DC ... 265 V AC/DC, length: 350 mm, degree of protection: IP20, can be swiveled ($\pm 90^\circ$ swivel range), with motion detector, including mounting accessories	1319573	PLD E 409 W 350 MS
Enclosure lights – accessories			
	Door position switch with 3 m cable with free cable end and 0.6 m cable with free cable end, including mounting accessories	1318672	PLD E 400-DS-3,0/0,6
	Replacement magnetic holder (1 pair) for PLD E 409 W 350 and PLD E 409 W 350 MS LED enclosure lights	1531603	PLD E 409 CLP/M

AC lights

Universal and robust

The class 708 enclosure lights ensure excellent illumination of the interior of control cabinets. These lights can be used worldwide because they have an AC wide range input. Versions with country-specific sockets underline this requirement. Installation and mounting is particularly universal with the plug-in connections and the options for screw, snap-in, and magnetic mounting.



Your advantages

- ✓ Optimum illumination of the control cabinet with high illuminance
- ✓ Robust and modern design for a long service life
- ✓ UL approval for use on the North American market
- ✓ Universal use with the AC wide range input
- ✓ Sockets enable the operation of external devices

Further information and product data

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Enclosure lights

Maximum light output for high demands

With their modern LED technology, the class 708 lights achieve 1,400 lm and 1,480 lx at a distance of 1 m – ideal for optimum control cabinet lighting. A three-position device connector is used for AC supply (100 to 240 V). This means that up to four lights can be connected in series.

Screw, snap-in, or magnetic mounting is possible. The light can be operated permanently or in automatic mode, controlled by an integrated PIR sensor.

The PC/ABS housing is impact-resistant and thermally stable. The plastic is self-extinguishing and therefore contributes to fire protection.



AC light mounted in the control cabinet

Supplying external devices made easy

The class 708 light is not only used to illuminate your control cabinet – with the integrated socket, it also provides the option of operating external devices such as measuring devices, charging connectors, and notebooks. This provides added functionality and convenience when working in and at the control cabinet


Three versions with sockets for plug types E, F, and B are available. Type E and type F (shock-proof plug) are used in many European countries. Mexico and the North American market are covered by type B.

In the case of the lights, the current consumption from the socket can be up to 16 A or 10 A (type B).






Different sockets for worldwide use

PLD E 708 enclosure lights

	Description	Item no.	Type
	LED enclosure light, AC wide range input, color temperature 5000 K, with motion detector, type F socket (shock-proof)	NEW 1694094	PLD E 708 W 400 MS/F
	LED enclosure light, AC wide range input, color temperature 5000 K, with motion detector, type E socket (e.g., for France and Belgium)	NEW 1694093	PLD E 708 W 400 MS/E
	LED enclosure light, AC wide range input, color temperature 5000 K, with motion detector, type B socket (e.g., for USA and Canada)	NEW 1694092	PLD E 708 W 400 MS/B

Enclosure lights – accessories

	Magnetic holder (1 pair) for the PLD E 708 W MS/... LED enclosure lights	1694090	PLD E 708 MAG
	Connecting cable, 3-pos., cable length: 3 m	1816143	PLD E 708-CA-3,0/FS AM
	Connecting cable, 3-pos., cable length: 1.6 m	1816079	PLD E 708-CA-MS/1,6/FS AM

Machine lights

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The robust machine lights set the benchmark in the efficient illumination of industrial systems: They feature LED technology, glare-free light, diverse control options, series connection, and M12 cabling. Find the right LED machine light with various degrees of protection in our extensive product range.



Class 100 machine lights

Compact and cost-effective. Two designs, can be connected and dimmed in series, and can be swiveled.

➤ [More information starting on page 14](#)



Class 200 machine lights

Robust and functional. Versions with 40 mm and 70 mm diameter with 4 mm safety glass.

➤ More information starting on page 18

Machine lights

Class 100 machine lights

Little space, a lot of light

Many machines are becoming increasingly compact and have little space for the necessary lighting. The class 100 PLD machine lights, with IP54 degree of protection, stand out due to their very narrow design. They can be optimally integrated into the machine, even in confined spaces.



Your advantages

- ✔ Plug-in supply line allows free choice of cable length as well as quick and easy installation
- ✔ Can be used at high temperatures and can be subjected to strong vibrations and shocks
- ✔ Can be swiveled up to $\pm 75^\circ$ using accessories
- ✔ Dimmable and can be connected in series (both optional)
- ✔ ETL approval for use on the North American market

Further information

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Machine lights

Two designs – one solution

The class 100 machine lights are available in two versions, with a diameter of 25 mm or 35 mm. They therefore provide the right solution for different installation situations. The 25 mm version features a particularly narrow design and is ideal for confined spaces. Both versions have IP54 degree of protection, a standardized M12 connection, and are available in lengths from 195 to 895 mm. They are therefore very versatile and are optimally tailored to industrial requirements.



Versions with 25 mm or 35 mm diameter

Series connection and dimming

The 35 mm version impresses with its extended functions and compact design. It is optionally dimmable, allowing the light intensity to be flexibly adjusted – ideal for different requirements. In addition, it enables the series connection of several lights, which significantly reduces the amount of cabling effort involved. This saves time and money during installation and makes this the ideal solution for efficient lighting concepts in various areas of application.



Option of series connection and dimmability




Targeted light control through flexible alignment

The machine lights in the PLD M 140 family can be fully swiveled, providing maximum flexibility when it comes to directing the light. Installation is quick and easy with the included mounting elements. The swivel function allows the light beam to be precisely focused on the desired work area. Even areas that are difficult to access are illuminated reliably. This ensures optimum visibility and increases work safety and efficiency.



Can be fully swiveled for ideal light direction

Product overview

Class 100 machine lights				
	Description	Length	Item no.	Type
PLD M 140 ... D25 machine lights				
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 89°/97°, diameter: 25 mm, degree of protection: IP54, can be swiveled	195 mm	1118035	PLD M 140 W 195/D25
		335 mm	1118022	PLD M 140 W 335/D25
		615 mm	1118036	PLD M 140 W 615/D25
		895 mm	1118015	PLD M 140 W 895/D25
PLD M 140 ... D35 machine lights				
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 85°/101°, diameter: 35 mm, degree of protection: IP54, can be swiveled, dimming, can be connected in series	195 mm	1118021	PLD M 140 W 195/D35/SC
		335 mm	1118016	PLD M 140 W 335/D35/SC
		615 mm	1118024	PLD M 140 W 615/D35/SC
		895 mm	1118028	PLD M 140 W 895/D35/SC
PLD M 160 machine lights				
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 95°/105°, degree of protection: IP67, can be swiveled, including mounting accessories	196 mm	2702475	PLD M 160 W-95/105 196
		336 mm	2702476	PLD M 160 W-95/105 336
		616 mm	2702477	PLD M 160 W-95/105 616




Product overview

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Machine lights

Class 100 machine lights				
	Description	Cable length	Item no.	Type
Connecting cables for PLD M 140				
	Sensor/actuator cable, 5-pos., PUR, halogen-free, black gray (RAL 7021), free cable end, to straight M12 female, coding: A	1.5 m	1669822	SAC-5P- 1,5-PUR/M12FS
		3 m	1669835	SAC-5P- 3,0-PUR/M12FS
		5 m	1669848	SAC-5P- 5,0-PUR/M12FS
	Sensor/actuator cable, 5-pos., PUR, halogen-free, black gray (RAL 7021), free cable end, to angled M12 female, coding: A	1.5 m	1669851	SAC-5P- 1,5-PUR/M12FR
		3 m	1669864	SAC-5P- 3,0-PUR/M12FR
		5 m	1669877	SAC-5P- 5,0-PUR/M12FR
	Sensor/actuator cable, 5-pos., PUR, halogen-free, black gray (RAL 7021), straight M12 male, coding: A, to straight M12 female, coding: A	1.5 m	1681606	SAC-5P-M12MS/1,5-PUR/M12FS
		3 m	1681619	SAC-5P-M12MS/3,0-PUR/M12FS
		5 m	1533615	SAC-5P-M12MS/5,0-PUR/M12FS

Class 200 machine lights

Excellent illumination for every application

Class 200 LED machine lights are impressive due to their bright illumination. In comparison to the class 100 LED machine lights, they are ideal for medium to large distances from the target area.

Do you need lighting in a harsh environment? These lights are again the perfect solution because of their high vibration and shock resistance and their resistance to coolants and lubricants.



Your advantages

- ✓ Easy and flexible wiring with the integrated M12 flush-type male connector
- ✓ Reliable protection against polarity reversal, surge voltage, coolants, and lubricants
- ✓ Robust design with 4 mm safety glass for maximum durability
- ✓ Efficient mounting through series connection (optional) and accessories that can be swiveled for optimum alignment

Further information

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Machine lights

Tailored lighting solutions

The class 200 PLD M machine lights offer maximum versatility for a wide range of applications. Choose between two diameters – 40 mm or 70 mm and lengths ranging from 190 to 715 mm, suitable for any machine size and installation situation.

Installation is particularly easy due to the molded M12 connector and freely selectable cable length. Versions with a 40° or 85° emission angle enable optimum illumination – both for specific points and larger areas.

The ability to connect the PLD M 260 W-85.../SC in series provides even greater efficiency: Less cabling means lower installation costs.

With a variable swivel range and corresponding mounting accessories, the lights can be directed flexibly – providing the perfect lighting conditions for every application.



Versions with 40 mm or 70 mm diameter in various lengths

Robust for everyday use in tough industrial environments

The PLD M lights with 40 mm diameter are specifically designed for use in harsh industrial environments. The 4 mm thick safety glass reliably protects against mechanical influences such as impact. The durable Viton® seal makes the lights resistant to aggressive coolants and lubricants – ideal for use in machining centers and production facilities.

The lights remain stable and perform well even under extreme conditions such as high temperatures, strong vibrations, or shock loads. Integrated functions to protect against polarity reversal and surge voltage increase electrical safety in

permanent operation. Swivel mounting – either with a bracket or holder – enables flexible adaptation to different installation situations. ETL approval means that the lights can also be used on the North American market without any issue.



Robust design that protects against mechanical influences as well as coolants and lubricants

Fast switchover to modern LED technology

With a diameter of 70 mm, the PLD M 260 ... D70 machine lights can be easily integrated into existing systems – ideal for quick and straightforward retrofitting. They are compatible with existing tube clips, so no additional installation effort is required – saving time and money.

The lights are available in four different lengths and therefore offer flexible solutions for different machine geometries and lighting requirements. This facilitates switchover to energy-efficient LED technology without compromising on light quality or ease of installation.



Easy integration in existing machines and systems

Product overview

Class 200 machine lights				
	Description	Length	Item no.	Type
PLD M 260 ... D40 machine lights				
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 40°/80°, diameter: 40 mm, degree of protection: IP67, can be swiveled, resistant to coolants and lubricants	190 mm	2702938	PLD M 260 W-40/80 190/D40
		365 mm	2702939	PLD M 260 W-40/80 365/D40
		540 mm	2702941	PLD M 260 W-40/80 540/D40
		715 mm	2702942	PLD M 260 W-40/80 715/D40
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 85°/95°, diameter: 40 mm, degree of protection: IP67, can be swiveled, resistant to coolants and lubricants	190 mm	2702480	PLD M 260 W-85/95 190/D40
		365 mm	2702481	PLD M 260 W-85/95 365/D40
		540 mm	2702482	PLD M 260 W-85/95 540/D40
		715 mm	2702483	PLD M 260 W-85/95 715/D40
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 85°/95°, diameter: 40 mm, degree of protection: IP67, can be swiveled, resistant to coolants and lubricants, can be connected in series	190 mm	2702933	PLD M 260 W-85/95 190/D40/SC
		365 mm	2702934	PLD M 260 W-85/95 365/D40/SC
		540 mm	2702935	PLD M 260 W-85/95 540/D40/SC
		715 mm	2702936	PLD M 260 W-85/95 715/D40/SC
Accessories for PLD M 260 ... D40 machine lights				
	Mounting bracket, ±45° swivel range		2702527	PLD M-ME MB/D40
	Mounting holder, ±20° swivel range		2702492	PLD M-ME MC/D40
PLD M 260 ... D70 machine lights				
	LED machine light, 24 V DC, emission angle (vertical/horizontal): 75°/95°, diameter: 70 mm, degree of protection: IP67, can be swiveled, resistant to coolants and lubricants	510 mm	2702485	PLD M 260 W-75/95 510/D70
		650 mm	2702486	PLD M 260 W-75/95 650/D70
		790 mm	2702488	PLD M 260 W-75/95 790/D70
		1070 mm	2702489	PLD M 260 W-75/95 1070/D70
Accessories for PLD M 260 ... D70 machine lights				
	Mounting bracket, ±65° swivel range		2702494	PLD M-ME MB/D70
	Mounting holder, ±30° swivel range		2702493	PLD M-ME MC/D70




Product overview

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Machine lights

Class 200 machine lights				
	Description	Cable length	Item no.	Type
Connecting cables for PLD M 260				
	Sensor/actuator cable, 4-pos., PUR, halogen-free, black gray (RAL 7021), free cable end, to straight M12 female, coding: A	1.5 m	1668108	SAC-4P- 1,5-PUR/M12FS
		3 m	1668111	SAC-4P- 3,0-PUR/M12FS
		5 m	1668124	SAC-4P- 5,0-PUR/M12FS
	Sensor/actuator cable, 4-pos., PUR, halogen-free, black gray (RAL 7021), free cable end, to angled M12 female, coding: A	1.5 m	1668221	SAC-4P- 1,5-PUR/M12FR
		3 m	1668234	SAC-4P- 3,0-PUR/M12FR
		5 m	1668247	SAC-4P- 5,0-PUR/M12FR
	Sensor/actuator cable, 4-pos., PUR, halogen-free, black gray (RAL 7021), straight M12 male, coding: A, to straight M12 female, coding: A	0.6 m	1668360	SAC-4P-M12MS/ 0,6-PUR/M12FS
		1.5 m	1668373	SAC-4P-M12MS/ 1,5-PUR/M12FS
		3 m	1668386	SAC-4P-M12MS/ 3,0-PUR/M12FS
		5 m	1694075	SAC-4P-M12MS/ 5,0-PUR/M12FS

Signal lights

3

Phoenix Contact offers signal lights for various indoor and outdoor applications. Use modular signal towers to clearly indicate the status of your machines and systems in plant engineering. Choose between optical and acoustic signaling.



Smart signal lights

LED indicators in two compact and robust designs. Visual and acoustic signaling.

➤ More information starting on page 24

Configurable signal tower

Signal towers with IO-Link in two lengths – with RGB modes for traffic lights and level indicators, robust for indoor and outdoor use.

➤ More information starting on page 28



Modular signal tower – 50 mm

Modular and versatile use. In a timeless design with Push-in connection technology. Compact design and flexible connection options.

➤ More information starting on page 32



Modular signal tower – 70 mm

LED permanent, blinking, rotating, and flashing light elements as well as a multicolor module with seven colors – for maximum visibility and flexibility.

➤ More information starting on page 36

Signal lights

Smart signal lights

Signaling of functional areas

The PSD-SL smart LED signal lights provide clear signaling that is optimized for the application. In addition, these compact LED indicators can be easily mounted and installed.

Your advantages

- ✓ Clear and full-surface signaling for maximum visibility
- ✓ Cost savings due to easy mounting and installation
- ✓ A wide range of possible applications through customizable signaling
- ✓ Compact design enables installation in confined spaces



Further information

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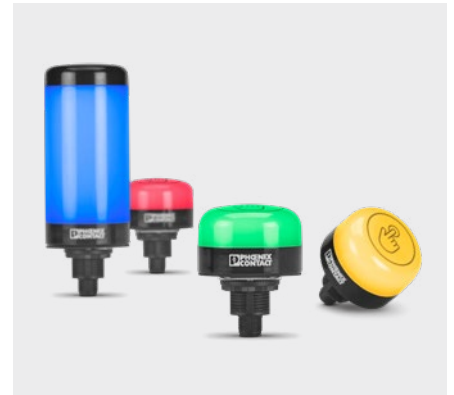
Signal lights

Smart signaling

The PSD-SL lights are versatile LED indicators for various applications such as machines, AGVs, and service robots. They are available in two designs (point and tower) and in three- or seven-color versions. The lights offer various animations such as permanent light, blinking, color change, and flashing. This allows you to define and implement suitable scenes for every application. The portfolio is supplemented by an indicator with touch function for interacting with the application and a buzzer for the acoustic signaling of operating states.

The robust design of the LED indicators enables a wide range of applications. This is demonstrated, for example, by the extended ambient temperature range of -40 to +70°C.

In addition, the lights meet IP66, IP67, IP69, and IP6K9K degrees of protection and have UL type rating 4/4X.



Two designs for acoustic and visual signaling

Signaling of functional areas

The signaling of functional areas within a machine enables the targeted visualization of the status of individual subfunctions, such as grippers, conveyor axes, and processing units.

The PSD-SL smart LED signal lights enable precise and application-oriented signaling directly at the functional area (close to the function). Their compact design enables space-saving mounting and ensures clear status display. This prevents misunderstandings and provides clear instructions. The lights can be flexibly adapted to different information requirements thanks to their multicolor

capability and diverse animations. Signaling and function thus merge into an intuitive solution.



Signaling directly at the function

Indicator with touch function





The PSD-SL RGB/TB smart LED indicator with touch function is an innovative solution for optical signaling and interaction in industrial applications. It is not just used to indicate operating states, warnings, and process information via color LEDs. Its integrated capacitive touch surface also enables direct operation of the application. The touch button replaces classic buttons and works completely wear-free without any mechanical elements, which significantly increases the service life and reliability. Special sensor technology even enables operation while wearing gloves – ideal for use in

harsh industrial environments. The RGB LEDs can be controlled individually and provide flexible visual feedback. The PSD-SL RGB/TB is therefore a modern, intuitive, and robust bidirectional interface between human and machine. This improves operation in terms of efficiency and ergonomics.





Optical signaling and interaction

Product overview

PSD-SL signal lights				
	Description	Degree of protection	Item no.	Type
PSD-SL signal lights				
	LED signal light, 3 colors, 24 V DC, tower design	IP66 / IP67 / IP69 / IP6K9K (in accordance with ISO 20653) / IK08 (impact resistance level) / UL type 4 / UL type 4X	NEW 1691144	PSD-SL GN/AM/RD-T
	LED signal light, 7 colors, 24 V DC, tower design		NEW 1691143	PSD-SL RGB-T
	LED signal light, 3 colors, 24 V DC, point design		NEW 1691142	PSD-SL GN/AM/RD-P
	LED signal light, 7 colors, 24 V DC, point design		NEW 1691152	PSD-SL RGB-P
	LED signal light with touch function, 6 colors, 1 output, 24 V DC, point design		NEW 1691146	PSD-SL RGB/TB-P
	Buzzer, 15 acoustic signals, 24 V DC, point design	IP66 / IP67 / IP69 / IP6K9K (in accordance with ISO 20653) / UL type 4 / UL type 4X	NEW 1691145	PSD-SL AE-P

Product overview

PSD-SL signal lights				
	Description	Cable length	Item no.	Type
Accessories for PSD-SL signal lights				
	Metal bracket for products with M22 mounting thread		1094143	PSD-S 50 ME BR-M12 M
	Sensor/actuator cable, 5-pos., PUR, halogen-free, black gray (RAL 7021), free cable end, to straight M12 female, coding: A	1.5 m	1669822	SAC-5P- 1,5-PUR/M12FS
		3 m	1669835	SAC-5P- 3,0-PUR/M12FS
		5 m	1669848	SAC-5P- 5,0-PUR/M12FS

Signal lights

Configurable signal towers

High degree of flexibility with IO-Link

Signal towers with IO-Link are available in two lengths. They offer various signaling modes in RGB colors, such as traffic lights and level indicators. They are robust and suitable for many applications.

Your advantages

- ✓ Clear and full-surface signaling for maximum visibility
- ✓ Cost savings due to easy mounting and installation
- ✓ A wide range of possible applications through customizable signaling
- ✓ Compact design enables installation in confined spaces



Further information

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Signal lights

Robust signaling for applications close to the machine

The PSD-SC configurable signal tower is available with 9 or 15 segments – with or without acoustic element and always with IO-Link interface. The acoustic version offers ten tones and six tone types for effective information communication, even in noisy environments.

Its robust design impresses with its high degree of protection up to IP69K, UL type rating 4/4X, and IK08 certification against mechanical influences.

In combination with IO-Link masters, e. g., from the Axioline E remote I/O system, the PSD-SC is ideally suited for machine-oriented signaling – directly in the field, flexible, and failsafe.



Versions with 9 or 15 segments

Versatile signaling for different applications

The PSD-SC signal tower offers a variety of signaling modes for different applications. Autoscale mode provides full-surface illumination with automatic division into up to five stages. Traffic light mode allows you to create a classic signal tower with clear color gradation. Level mode clearly indicates the percentage level. Individual mode allows you to freely parameterize all the segments (9 or 15), including individual color selection. This means that the signaling can be tailored precisely to the respective application.



Various color modes for individual signaling

Seamless integration – in the field and in engineering

The PSD-SC signal tower can be combined directly with an IO-Link master from the Axioline E remote I/O system – tool-free, failsafe, and robust (IP66/IP69K). The standardized IO-Link interface (IEC 61131-9) enables easy integration into existing automation architectures.

In the PLCnext Engineer engineering software, the device is intuitively assigned to the IO-Link master after the IODD file has been imported. All parameters can be configured conveniently with a click of the mouse. This enables fast, transparent, and flexible commissioning – directly on the machine and in the software.



















PLCnext Engineer
Engineering Software

IO-Link



Product overview

PSD-SC configurable signal tower				PSD-SC configurable signal tower			
	Description	Item no.	Type		Description	Item no.	Type
PSD-SC configurable signal towers				Connection elements for tube mounting			
	Signal tower, 9 segments, IO-Link	NEW 1801972	PSD-SC IOL S9		Base with integrated tube, 110 mm high, black	2700156	PSD-S ME BT 110
	Signal tower, 9 segments, IO-Link, with siren	NEW 1801971	PSD-SC IOL S9 AE				
	Signal tower, 15 segments, IO-Link, with siren	NEW 1801970	PSD-SC IOL S15 AE		Base for tube Ø 25 mm, plastic, black	2700163	PSD-S ME B-P
Connection elements for floor and direct mounting					Base for tube Ø 25 mm, aluminum, black	2700164	PSD-S ME B-M
	Bracket for floor mounting, black	2700144	PSD-S ME BR-SM		Tube, 250 mm high, Ø 25 mm	2700157	PSD-S ME T-M 250
	Bracket for one-sided floor mounting, hidden cable routing, black	2700160	PSD-S ME BR-SM/1S		Tube, 400 mm high, Ø 25 mm	2700158	PSD-S ME T-M 400
Connection elements for base mounting					Adapter for single-hole mounting	2700150	PSD-S ME A-SH M18
	Bracket for base mounting, black	2700143	PSD-S ME BR-BM		Foldaway base, 7.5° pitch, black	2700151	PSD-S ME FB
	Junction box with lateral cable entry for floor and base mounting	2700153	PSD-S ME OB		Tube, 45 mm long, Ø 25 mm, for direct tube mounting on the foldaway base	2700152	PSD-S ME T-P 45
	Junction box with magnetic base for base mounting, black	2700155	PSD-S ME OB/MB				

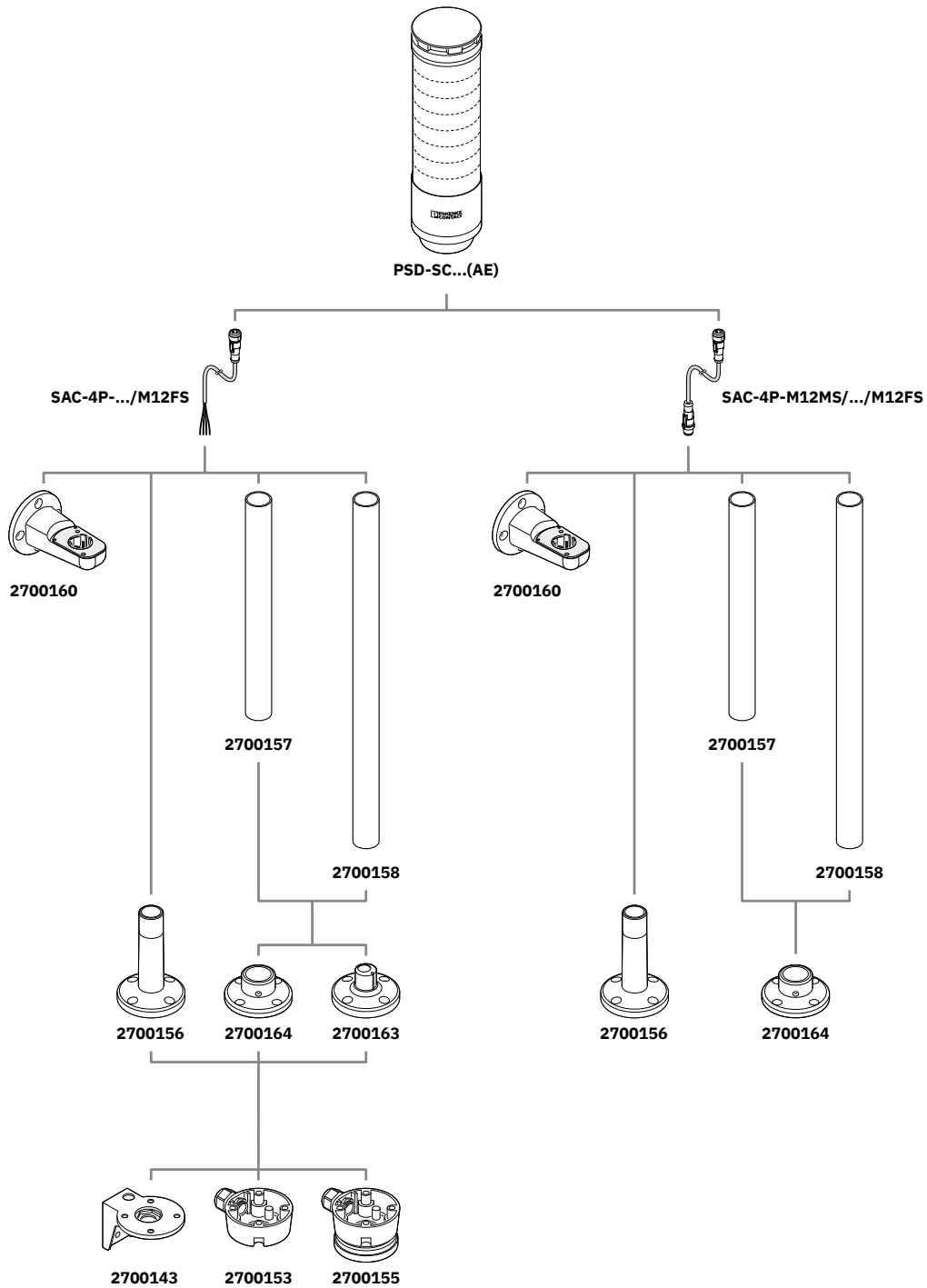
Connecting cables for PSD-SC				
	Description	Cable length	Item no.	Type
	Sensor/actuator cable, 4-pos., PUR, halogen-free, black gray (RAL 7021), free cable end, to straight M12 female, coding: A	1.5 m	1668108	SAC-4P- 1,5-PUR/M12FS
		3 m	1668111	SAC-4P- 3,0-PUR/M12FS
		5 m	1668124	SAC-4P- 5,0-PUR/M12FS
	Sensor/actuator cable, 4-pos., PUR, halogen-free, black gray (RAL 7021), straight M12 male, coding: A, to straight M12 female, coding: A	1.5 m	1668373	SAC-4P-M12MS/ 1,5-PUR/M12FS
		3 m	1668386	SAC-4P-M12MS/ 3,0-PUR/M12FS
		5 m	1694075	SAC-4P-M12MS/ 5,0-PUR/M12FS

Mounting accessories for configurable signal towers

Overview and selection guide for mounting accessories

The right mounting accessories are crucial for installing signal towers properly. The components shown provide a structured overview of various mounting options.

Order numbers and technical details make it easier to select and order the necessary parts.



Signal lights

Modular signal tower – 50 mm

Modular and robust

The modular LED signal tower in a classic industrial design. With a diameter of 50 mm, it combines a timeless design with modern technology. Quick and easy mounting saves valuable time, while the robust design can withstand even harsh industrial conditions. Ideal for those who require reliable signaling and maximum flexibility.



Your advantages

- ✓ Integrated optics for uniform signal appearance
- ✓ Smooth surface reduces possible contamination
- ✓ Patented contacting enables fast mounting
- ✓ Robust design made of impact-resistant plastic

Further information

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Signal lights

Modular and versatile use – the PSD-S 50 signal elements

Up to five optical elements or four optical elements plus one acoustic element can be combined individually. Different colored LED calottes ensure maximum adaptability to the signaling task. Control is convenient via 24 V DC parallel wiring, whereby the connection is established via a central connection element. The connection elements are available in different versions for direct or tube mounting.



Possible to combine up to five calottes

Quick and easy mounting and installation

The patented bayonet lock on the individual calottes enables quick and error-free mounting. This makes it easy to assemble signal towers. When mounted, the towers have a smooth surface with minimal transitions between the individual calottes. This largely prevents contamination, e.g., from dust.

The modern Push-in terminal blocks enable quick and tool-free connection. Conductor cross-sections up to 1.5 mm² are supported without issue – ideal for industrial applications that require a high level of efficiency and reliability.



Smooth surfaces with minimal transitions between the calottes

Reliable in every environment

The signal elements feature a particularly robust design made of impact-resistant plastic and meet the requirements of impact resistance class IK07. With IP65 degree of protection, they are optimally protected against dust and jet water – ideal for use in harsh industrial environments. The wide temperature range of -40 to +60°C guarantees reliable function even under extreme conditions. UL approval means that they can also be used worldwide and that they meet high standards.



Modular signal tower with 50 mm diameter mounted on the machine

Product overview

PSD-S 50 modular signal tower

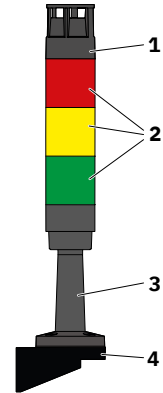
You can combine a signal tower according to your requirements from a maximum of five signal elements.







Use up to a maximum of five optical signal elements or up to four optical signal elements and one acoustic signal element.

The acoustic signal element can only be used as the top element.

Various connection elements are available for the electrical connection of the signal tower.

- 1. Acoustic element
- 2. Optical element
- 3. Connection element
- 4. Mounting element



PSD-S 50 signal tower			
	Description	Item no.	Type
PSD-S 50 acoustic element			
	Siren element, 8 tones, 24 V DC, max. 95 dB, 8 tones selectable via DIP switch, black	1018874	PSD-S 50 AE SM8-1 95DB/1
PSD-S 50 optical elements			
	Permanent light element, 16 V DC ... 26 V DC, clear, LED	1017888	PSD-S 50 OE LED CL
	Permanent light element, 16 V DC ... 26 V DC, green, LED	1018264	PSD-S 50 OE LED GN
	Permanent light element, 16 V DC ... 26 V DC, blue, LED	1018737	PSD-S 50 OE LED BL
	Permanent light element, 16 V DC ... 26 V DC, orange, LED	1018262	PSD-S 50 OE LED AM
	Permanent light element, 16 V DC ... 26 V DC, red, LED	1018261	PSD-S 50 OE LED RD











Product overview

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Signal lights

PSD-S 50 signal tower			
	Description	Item no.	Type
PSD-S 50 connection elements			
	Base for horizontal and third-party tube mounting	1018740	PSD-S 50 CE
	Base for vertical mounting	1018742	PSD-S 50 CE BR-SM/HCR
	Base with integrated M12 male (5 pins) and M22 mounting thread (including seal)	1018853	PSD-S 50 CE-M12-5P
	Base for NPT 1/2 conduit mounting	1018850	PSD-S 50 CE A-NPT 1/2
	Tube base on 100 mm plastic tube with integrated base	1018760	PSD-S 50 CE BT 100
	Tube base on 250 mm aluminum tube with plastic base	1018801	PSD-S 50 CE BT 250-M
PSD-S 50 mounting elements			
	Plastic bracket for vertical mounting of tubes with plastic base	1018870	PSD-S 50 ME BR-BM/HCR
	Junction box for horizontal mounting, M20, incl. mounting screws	1018871	PSD-S 50 ME OB-BM
	Metal bracket for products with M22 mounting thread	1094143	PSD-S 50 ME BR-M12 M
	Metal bracket for exterior cable entry	1018868	PSD-S 50 ME BR-SM-M

Modular signal tower – 70 mm

Versatile and functional

With the modular PSD-S signal towers, you can combine optical and acoustic signal elements flexibly, however you need them. The modular design also allows you to retrofit additional elements at a later time. The signal tower elements are connected mechanically and electrically in seconds with the bayonet lock.

Your advantages

- ✓ Large selection of optical and acoustic modules for flexible applications
- ✓ Bright flashing light for special signaling requirements
- ✓ High degree of protection for reliable use in harsh environments
- ✓ Bayonet lock for quick, tool-free mounting



Further information

Individual signals for every application

The portfolio for the PSD-S modular signal tower family offers a versatile selection of optical and acoustic signal elements for industrial applications. The optical elements are available in the most common colors and support different types of light such as permanent light, blinking light, flashing light, and rotating light – for maximum visibility in every situation.

The system is supplemented by acoustic elements with different tone types and volumes. The modular design allows the components to be combined individually. Connection elements with screw or

spring-cage connection technology are available for easy installation. The PSD-S portfolio impresses with its flexibility, easy mounting, and reliable signaling.



Permanent light, blinking light, flashing light, rotating light, or acoustic signaling.

Powerful signaling

The portfolio for the PSD-S signal towers offers a wide range of optical signal elements for different applications. In addition to LED permanent, blinking, and rotating light elements in various colors, the PSD-S OE LED FL flashing light element is particularly impressive with its intensive flashing effect – making it clearly visible even in poor visibility and at great distances. The multicolor element with seven available colors in one module provides maximum flexibility. This element offers high light and color intensity and replaces multiple individual elements. The modular design allows all

components to be individually combined – ideal for demanding signaling tasks.



Maximum flexibility with multicolor element

Robust signal tower with high visibility

The PSD-S signal tower is characterized by its robust design and IP65 degree of protection, which means that it is reliably protected against dust and jet water. With a diameter of 70 mm, it provides good visibility, even at greater distances or in difficult lighting conditions. The comprehensive range of accessories enables flexible mounting in different installation locations and simplifies integration into existing systems.

The PSD-S is particularly suitable for industrial applications where clear signaling and a robust design are required.



Clear signaling directly on the machine or system

Product overview

PSD-S modular signal tower

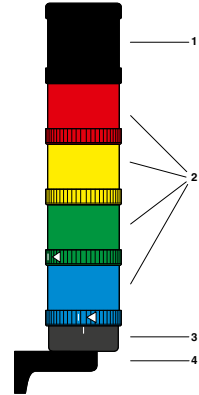
You can combine a signal tower according to your requirements from a maximum of five signal elements.








Use up to a maximum of five optical signal elements or up to four optical signal elements and one acoustic signal element.

The acoustic signal element can only be used as the top element.

Various connection elements are available for the electrical connection of the signal tower.

1. Acoustic element
2. Optical element
3. Connection element
4. Mounting element



PSD-S signal tower			
	Description	Item no.	Type
PSD-S acoustic elements			
	Buzzer element, continuous tone/pulse tone, 24 V AC/DC, max. 85 dB(A), black	2700136	PSD-S AE BM2-1 85DB
	Siren element, 7 tones, 24 V DC, max. 100 dB(A), tone selection via 3 signal lines, black	2700141	PSD-S AE SM7-4 100DB/3
	Siren element, 8 tones, 24 V AC/DC, max. 102 dB(A), tones selectable via DIP switch, black	2702997	PSD-S AE SM8-6 102DB/1
	Siren element, 24 V AC/DC, max. 105 dB(A), continuous tone and alternating continuous tone	2702998	PSD-S AE SM2-7 105DB/1
	Siren element, pulse tone, 24 V DC, self-regulating volume, max. 100 dB(A), black	2700137	PSD-S AE SP1-3 100DB/2
	Voice output element, 24 V DC, max. 50 mp3 or wav files can be saved, max. 15 files can be controlled, black	2700140	PSD-S AE V15/1
PSD-S optical elements			
	LED permanent light element, 24 V DC, 7 colors	2702090	PSD-S OE LED MC
	LED permanent light element, 24 V AC/DC, red	2700107	PSD-S OE LED RD
	LED permanent light element, 24 V AC/DC, yellow	2700122	PSD-S OE LED YE
	LED permanent light element, 24 V AC/DC, green	2700119	PSD-S OE LED GN
	LED permanent light element, 24 V AC/DC, blue	2700131	PSD-S OE LED BU
	LED permanent light element, 24 V AC/DC, clear	2700127	PSD-S OE LED CL
	LED blinking light element, 24 V AC/DC, red	2700114	PSD-S OE LED BL RD
	LED blinking light element, 24 V AC/DC, yellow	2700123	PSD-S OE LED BL YE
	LED blinking light element, 24 V AC/DC, green	2700121	PSD-S OE LED BL GN
	LED blinking light element, 24 V AC/DC, blue	2700132	PSD-S OE LED BL BU
	LED blinking light element, 24 V AC/DC, clear	2700128	PSD-S OE LED BL CL
	LED rotating light element, 24 V AC/DC, red	2700116	PSD-S OE LED RL RD
	LED rotating light element, 24 V AC/DC, yellow	2700125	PSD-S OE LED RL YE
	LED flashing light element, 24 V DC, double flash, red	2700115	PSD-S OE LED FL RD
	LED flashing light element, 24 V DC, double flash, yellow	2700124	PSD-S OE LED FL YE

Product overview

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Signal lights

PSD-S signal tower			
	Description	Item no.	Type
PSD-S connection elements for floor mounting			
	Connection element with spring-cage terminal blocks	2700091	PSD-S CE-SM SPRING
	Connection element with screw connection terminal blocks	2700093	PSD-S CE-SM SCREW
PSD-S mounting elements for floor and direct mounting			
	Bracket for floor mounting, black	2700144	PSD-S ME BR-SM
	Bracket for one-sided floor mounting, hidden cable routing, black	2700160	PSD-S ME BR-SM/1S
PSD-S connection elements for tube mounting			
	Connection element with spring-cage terminal blocks	2700092	PSD-S CE-TM SPRING
	Connection element with screw connection terminal blocks	2700095	PSD-S CE-TM SCREW
PSD-S mounting elements for tube and base mounting			
	Base with integrated tube, 110 mm high, black	2700156	PSD-S ME BT 110
	Base for tube Ø 25 mm, plastic, black	2700163	PSD-S ME B-P
	Base for tube Ø 25 mm, aluminum, black	2700164	PSD-S ME B-M
	Tube, 250 mm high, Ø 25 mm	2700157	PSD-S ME T-M 250
	Tube, 400 mm high, Ø 25 mm	2700158	PSD-S ME T-M 400
	Tube, 1000 mm long, Ø 25 mm	2700154	PSD-S ME T-M 1000
	Adapter for single-hole mounting	2700150	PSD-S ME A-SH M18
	Foldaway base, 7.5° pitch, black	2700151	PSD-S ME FB
	Tube, 45 mm long, Ø 25 mm, for direct tube mounting on the foldaway base	2700152	PSD-S ME T-P 45
	Bracket for base mounting, black	2700143	PSD-S ME BR-BM
	Junction box with lateral cable entry for floor and base mounting	2700153	PSD-S ME OB
	Junction box with magnetic base for base mounting, black	2700155	PSD-S ME OB/MB
Additional accessories for PSD-S			
	End cover, black (replacement part)	2700148	PSD-S AS END COVER
	Labeling board for towers with tube mounting, complete with mounting material	2700147	PSD-S AS LABEL BOARD

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