



COOPER Crouse-Hinds



Electrical apparatus for a harsh environment

Maximum operational safety and a robust design are the outstanding characteristics of the electrical apparatus and luminaires that were developed especially for use in a harsh industrial environment. Regardless of whether for the distribution of power in stone quarries or foundries, the illumination of docks or the control of large machines, such as shredders, conveyor belts or presses, you will always be on the safe side with industrial luminaires, switches or plugs and sockets with the CEAG trademark.

Apparatus that, day in, day out, well and truly stands the test on drilling platforms and in chemical plants and mines also fulfils the high demands placed on apparatus in harsh industrial environments.

Cooper Crouse-Hinds GmbH has immense resources of experience, skills and know-how in the field of explosion protection. As part of the Cooper Industries Group, we are the largest manufacturer of explosion-protected electrical apparatus in the world. Luminaires of the traditional CEAG brand were already setting standards in safety technology over 100 years ago. Products with the traditional CEAG trademark are state-of-the-art products and stand for safety, reliability and innovation in a demanding and constantly changing business sector. Particularly stringent quality controls ensure the high standard of luminaires and electrical apparatus. An investment that pays off; after all, our products have to be fully functional at all times, even under the most adverse conditions.

We are committed to technological progress and develop and produce a range of products that fulfils all the requirements currently placed on a modern, technology. Illumination, controlling, and the distribution of electrical energy in harsh industrial environments represent a significant part of our business activities. Because we are constantly in touch with our customers in industry, we are able to react directly to the changing requirements of a demanding business sector. Thus, we are constantly optimizing our product range and adding products to suit every application. It is safe to say that we also have a suitable solution for your application.



Quality for your safety

Operational safety for your production

Uncompromising quality

Be on the winning side with us as your partner in safety-related matters, for our luminaires, electrical apparatus and cable entries not only fulfil the latest standards, but they also have features above and beyond the requirements of the standards. This is particularly noticeable in practice. For example, our fluorescent light fittings were able to withstand the high wind speeds of the hurricane Kyrill without any problems, while conventional street lamps failed one after the other. This was because our high-quality luminaires and apparatus are built and tested specially for use in areas with a high extreme mechanical hazards, moisture and dust. A high quality standard that pays off. Therefore, all our products for industrial applications are designed in the minimum degree of protection IP 66!

Before making our products available to you, we have satisfied ourselves that, they fulfil even the most stringent requirements, because, in the event of an emergency, you have to be able to rely on them. Here, the test for water- and dust-tightness (IP degree of protection) is only one of the many tests our products are subjected to. Regardless of whether impact resistance test, climate chamber or electrical functions: We apply the same high measures for our industrial products as for our range of explosion-protected products. Unlike many low-cost suppliers, we do not leave our quality assurance to chance, nor do we leave it to our customers.

Support

We take the wishes expressed by our customers very seriously. Customer service, customer focusing, concentration on you; that is our most important maxim. That is why our expert field sales offers you practice-oriented solutions on-site. In our Customer Centre, we only employ specially trained technicians, who advise you competently and individually. With us each customer has an employee who considers himself personally responsible for that customer and can help him with the realization of special, individual solutions. It goes without saying that, in such cases, we also employ special teams of experts – but you only have one contact person who treats your wishes as a personal matter.

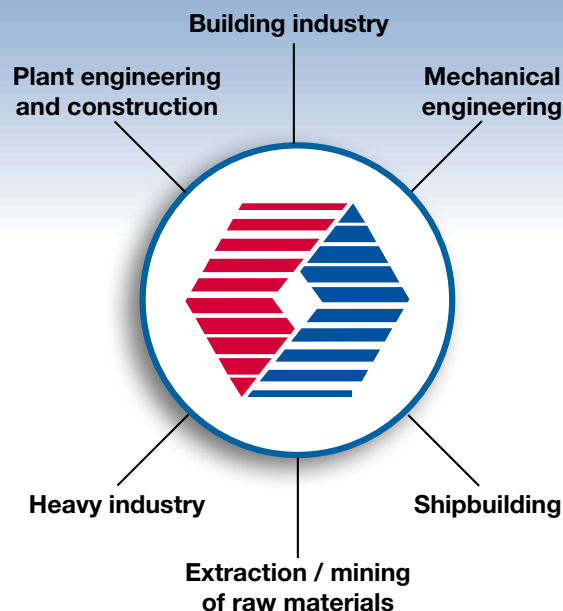
Of course, we do not only supply you with reliable luminaires and electrical apparatus in heavy-duty industrial design for various applications, but we also provide an on-site service, as we have a widespread network of branches and service companies.



- Luminaires and electrical apparatus
- Extremely robust
- High operational safety



For almost any application:





Cable entries

Our high-quality, moulded-plastic or metal cable entries are used for fixing your feed cables at the interface enclosure/environment and ensure the high degree of protection of your enclosure – the only thing that can get through here is electrical energy! A comprehensive range of accessories, such as reducer glands, counter nuts, blanking plugs, screw plugs, etc., allows a wide range of uses.

- IP 66 / IP 68
- Polyamide / brass
- Wide temperature range
- Efficient strain relief







Industrial safety switches

Our 10 A to 630 A industrial safety switches can be used for switching almost all of your apparatus on and off – with full AC-3 motor switching capacity and isolating properties to EN 60947-4-1, with compulsory opening of main contacts, auxiliary contacts and an optional EMERGENCY STOP version to EN 60204-1. Padlocking facilities safeguard them against being switched on again inadvertently. The outstanding feature of the easy-to-install moulded plastic or sheet steel enclosures is their extremely robust design.

- 10 A to 630 A
- Up to 500 V / 690 V
- AC-3 switching capacity
- Glass-fibre reinforced polyester/sheet steel

Wall and ceiling luminaires

These extremely impact- and heat-resistant luminaires provide safe lighting in the heavy industry, even under the most extreme ambient conditions. This is due to the light alloy housing, stainless steel screws and a dome-shaped cover made of borosilicate glass. Nonetheless, the outstanding characteristics of these luminaires are their light weight and easy installation. Either incandescent lamps or high-pressure discharge lamps with a power rating of up to 70W can be used as illuminants. An internal aluminium reflector ensures an even light distribution.

Incandescent / high-pressure discharge lamps up to 70 W Ambient temperature range -25 °C to +55 °C Light alloy housing in degree of protection IP 66 Extremely robust design

Things you can rely on!

COOPER Crouse-Hinds



Industrial fluorescent light fittings

The outstanding characteristics of these robust luminaires are the high impact resistance and an excellent resistance to chemicals and ultraviolet rays. The 18 W, 36 W and 58 W luminaires are available for one or two lamps using G 13 bi-pin fluorescent lamps. Luminaires with electronic ballasts fulfil the relevant end-of-life requirements. Alternatively, it is also possible to use a low-loss ballast. Thanks to the central locking mechanism that can be operated from both sides the single-ended through wiring and the generously dimensioned terminal compartment, installation and servicing are particularly easy.

- 1/2x 18/36/58 W
- 220 V to 240 V AC/DC
- IP 66
- Glass-fibre reinforced polyester/ polycarbonate



Industrial plugs and sockets

The robust enclosures can withstand chemical and mechanical stresses and strains that are the same as those that also occur in hazard areas. The 16 A to 125 A plugs and sockets, also configurable in robust housings to various distribution boxes, features maintenance-free lamellar contacts with a low transition resistance and considerably lower insertion and withdrawal forces than spring-action contacts. Easy installation of the wall sockets, variable cable entries and generously dimensioned connection terminals allow a cost-efficient use of apparatus. And the particular advantage: apparatus fitted with CEAG Ex plugs can also be operated with these sockets.

- 16 A to 125 A
- Up to 415 V/690 V
- IP 66
- Glass-fibre reinforced polyester/ polyamide

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In the interest of further technical developments, we reserve the right to make design changes.

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