

2009/10



Industrial Plugs and Sockets

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Editorial



**Dear Customers,
Dear Business Partners,**

with this catalogue we would like to invite you to explore the multi-faceted world of modern electronic installation devices. There is so much waiting to be discovered. But regardless of which product you choose, with ABL SURSUM you are choosing TRADITION and QUALITY, INNOVATION and EMOTION.

We are a traditional family-owned company and are filled with pride that, more than 80 years after the invention of the SCHUKO system, we are able to offer you one of the most extensive ranges of products in the area of electrical installation technology in a time of rapid change and accelerating globalisation.

Quality is the decisive factor for us. With proven materials, first-class workmanship and the highest quality standards, ABL SURSUM products are ideal for use in industry and small trade.

Only those who are open to change will be successful in the future. This guiding principle is what motivates us daily to make sure that we always use state-of-the-art technology, do not remain still, and continuously develop products innovatively for our customers with the most modern means available.

At ABL SURSUM, emotion is the enthusiasm for successful products. That is why we always work closely with our customers and can meet their specific requirements and offer individual solutions as quickly as possible. Our excellent service is always at your side, ready to provide support.

Sincerely

A handwritten signature in blue ink that reads "Stefan Schlutius". The signature is written in a cursive style.

Dr. Stefan Schlutius
CEO



Your direct line to us



We see service as a top priority - and our customers realise and appreciate it!

Every order contains special requirements, requires competent advice, needs efficient, cost-effective solutions and, of course, must be fast.

Those are exactly the strengths of ABL SURSUM:

- open to the technical problems and individual requirements of our customers
- proximity to customers and flexibility in working out individual solutions
- advice and problem analysis with the excellent technical qualifications of our employees
- fast offer and order processing
- high degree of vertical integration in-house
- need-based warehouse storage – that means that for you as a customer: short delivery times for all standard products
- high degree of on-time delivery using a finely-meshed distribution network and modern logistics



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**Detailed information can be found at:
www.abl-sursum.com**

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From conception to delivery

We are oriented towards the requirements of the national and international markets and the desires of our customers which we approach passionately with a wealth of ideas, engineering skills and the power of innovation.



Location:
Innovative products from Lauf

With a wide range of more than 7,000 products, the traditional Franconian company ABL SURSUM delivers to markets all around the world.



**Development:
Everything in-house**

Every new product begins with an idea. In order to implement it, a lot of experience and the right tools are needed. That is why development at ABL SURSUM is not only carried out with the most modern CAD software available, but also in constant dialogue with customers. Because it is only with exact knowledge of products and markets that one can create innovative, need-based products.

**Tool and equipment manufacture:
Focus on quality**

The quality of a production starts with the right production facilities. That is why ABL SURSUM builds and maintains its own custom plastic and metal machining tools. At the same time, a large proportion of the machines and equipment are constructed in our own equipment manufacturing facilities. Because if you plan and build something yourself, you can maintain it optimally, adjust it to meet new challenges and constantly develop it further.



**Vertical integration:
Greatest perfection down to the smallest detail**

Even the smallest detail can be decisive in determining the perfection of the whole. The extensive vertical integration of ABL SURSUM guarantees the highest quality and dimensional accuracy over a product's entire life cycle. An Acquisition Management perfectly harmonised with Production allows materials to be available on time without interruption of work flow.



**Final assembly:
Combining know-how and technology**

Experienced, qualified employees and a high level of automation enable on-time production, while maintaining a consistently high level of quality. Because only high-quality products are convincing in the long term.



**Quality control:
No compromises**

Permanent quality monitoring with the assistance of the most up-to-date inspection procedures is a matter of course at ABL SURSUM. That is why there are no compromises when it comes to monitoring ongoing production and the final inspections. ABL SURSUM is also certified according to DIN ISO 9001.

**Logistics:
Service begins with delivery**

In this day and age of tighter and tighter schedules, a well-organised distribution network and modern logistics ensure on-time delivery to both domestic and foreign markets. This ensures that ABL SURSUM with an export rate of over 50%, can deliver daily on-time to numerous customers all over the world.



We are available for you – wherever you are

Representatives throughout Europe:

| | |
|---------------|----------------|
| Belgium | Netherlands |
| Denmark | Norway |
| Estonia | Austria |
| Finland | Poland |
| France | Portugal |
| Greece | Romania |
| Great Britain | Sweden |
| Ireland | Switzerland |
| Italy | Slovakia |
| Latvia | Spain |
| Lithuania | Czech Republic |
| Luxemburg | Hungary |



International representatives:

| | | | | | |
|--------------------|---------|-------------|--------------|----------------------|---------|
| Egypt | Chile | Canada | Russia | Ukraine | Belarus |
| Argentina | China | Croatia | Singapore | USA | |
| Azerbaijan | Georgia | Morocco | South Africa | Venezuela | |
| Bolivia | India | Mexico | Taiwan | United Arab Emirates | |
| Bosnia Herzegovina | Iceland | New Zealand | Thailand | Vietnam | |



System solutions with the highest reliability

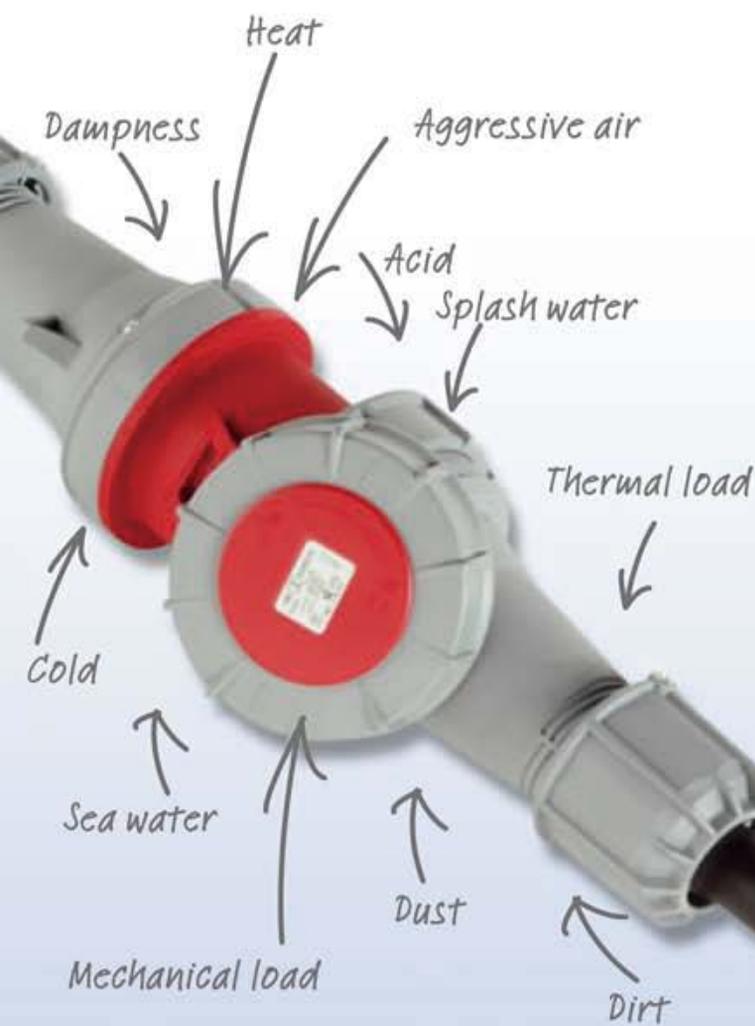
CEE Plug connections from ABL SURSUM can do more than simply transfer electricity. They effectively and reliably support you in everyday tasks because they can stand up to the harshest of conditions.

Regardless of cold, heat, dust, water or pressure/ tensile/ impact loads in the most diverse conditions under extreme use: You can rely on our products everywhere and on any occasion.

All products are developed and manufactured to the highest quality demands, intelligence, engineering skills as well as with many years of experience. International certification by independent institutes and extensive testing procedures in our labs confirm our excellent level of quality.

We provide the best connections.





Convincingly perfect



Connections that remain sealed

Cold, damp or dirt – daily work always creates new endurance tests in which only sophisticated products can survive unscathed. CEE plug connections from ABL SURSUM in degree of protection IP67 are made of high-quality technical plastics (PA6 or PC/ABS) and have special characteristics for extreme applications. Excellent impact resistance with a high degree of stiffness and strength are characteristic of our products - just like their high chemical resistance to many standard chemicals. Our products are, of course, free of cadmium and halogens (fluorine, chlorine, bromine, iodine, and astatine) and conform to the RoHS Directive 2002/95/EG.



Connections which stand up to all sorts of weather

Neither extreme heat nor cold can harm ABL SURSUM products. They have a temperature resistance of -25 °C to +80 °C, short-term (= up to 1 hour) even up to +100 °C, and thus significantly exceed the requirements set down in IEC/EN 60309. High weather resistance increases the level of quality with very good insulation characteristics and sets almost no limits when it comes to use. Great grip in any weather and in any situation – even with gloves.



Connections which are perfectly stable

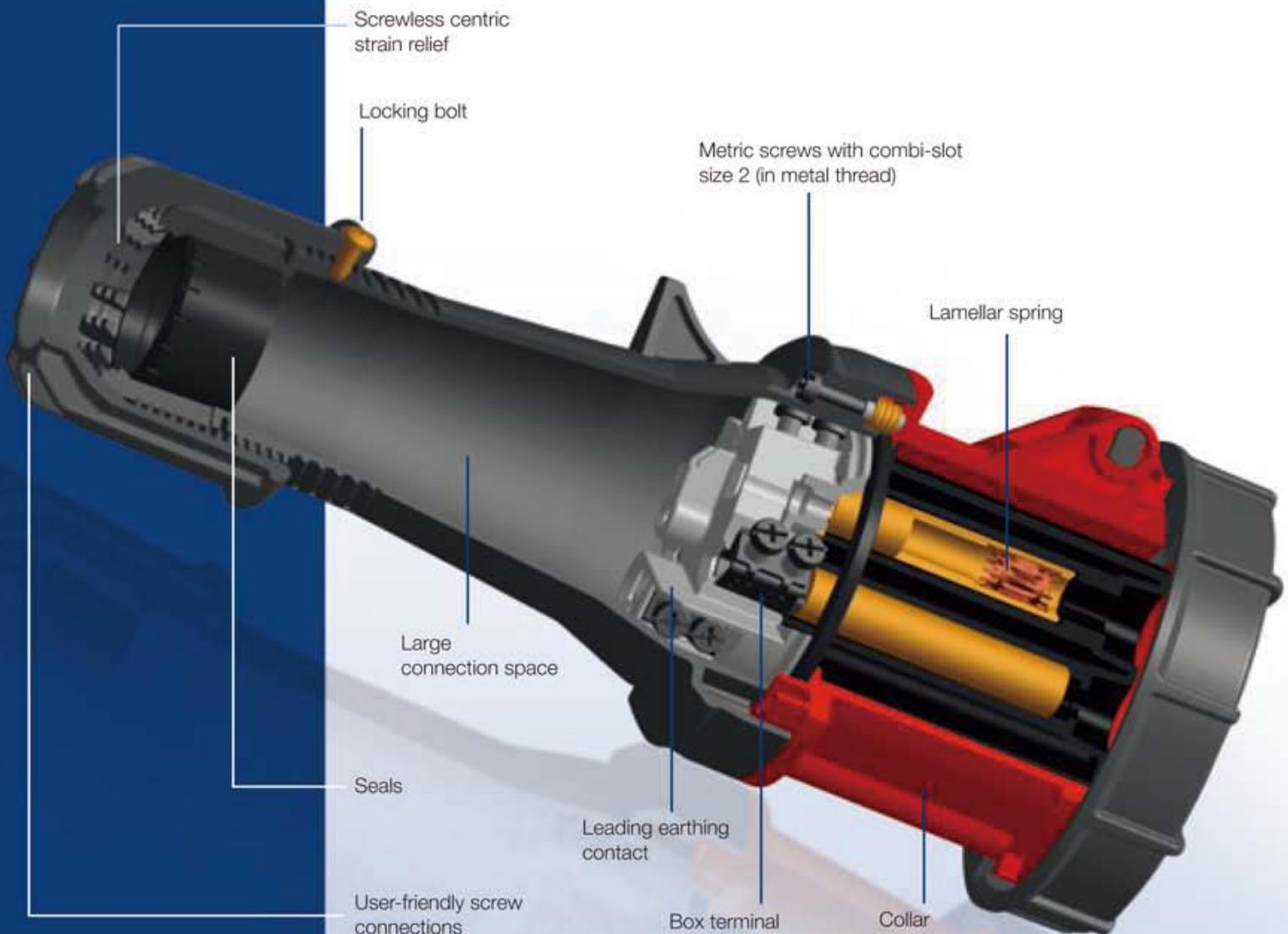
CEE plug connections from ABL SURSUM not only hold steady, they are also highly resilient. Their high disruptive strength, high wear resistance and great stability against external mechanical wear are just some of their advantages. Of course, they easily fulfil the specified IK codes conforming to EN 50102. Their long life ensures an efficient investment in the highest quality.

Highly intelligent connection technology

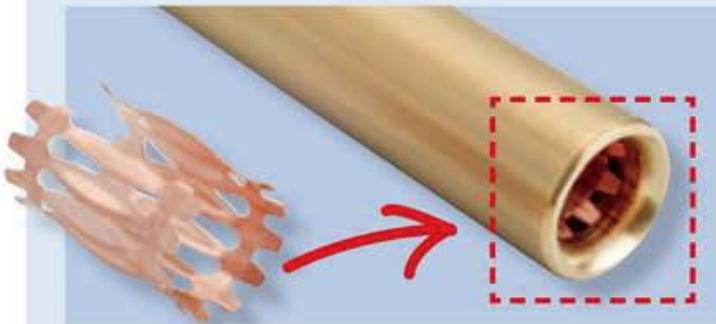
CEE Plug connections from ABL SURSUM have safety standards that we are proud of – even under the toughest of conditions.

They impress with innovations and maximum technical efficiency right down to the last detail. That is how they make our products into solutions for the most demanding challenges.

Screwless, centric strain relief, double-secured box terminals, highly-conductive lamellar contacts and self-finding threads are only some of the most important details that not only experienced professionals can appreciate.



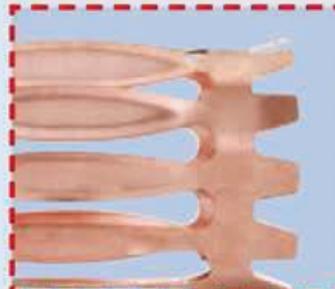
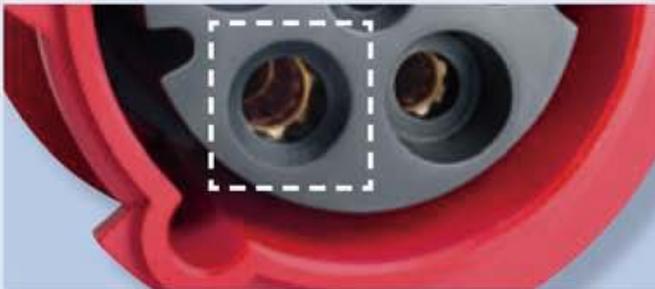
HighPower technology



Absolutely safe

Lamellar spring

- minimal insertion and extraction force
- reduction of electrical resistance
- self-cleaning
- optimal contacting; at least 10 contact points



Box terminal

- large connection space
- optimal gentle protective cable clamping
- flexible cables without ferrules can also be used
- for 63 A version: two combi-slot screws per contact
- for 125 A version: two grub screws per contact

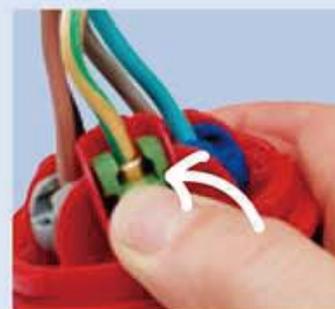
plug power

Screwless connection technology

- saves time during mounting
- screwless plug2power terminals
- open contact terminals in delivered state
- quick and easy infeed of the cable
- closing and opening the contact terminal with the press of a finger
- simple connection with colour coded clamps
- maintenance-free and wear-free contacts



Insert cable



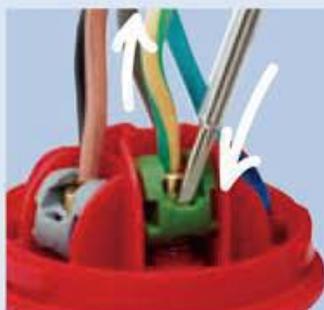
Close terminal

Recording of all cable cross-sections according to standard

- 16 A: up to 2.5 mm² flexible, up to 4 mm² single wire
- 32 A: up to 6.0 mm² flexible, up to 10 mm² single wire

Resilient construction

- for difficult conditions
- special impact resistance
- high tensile strength of the terminals
- contact terminals are shock-proof and vibration-resistant

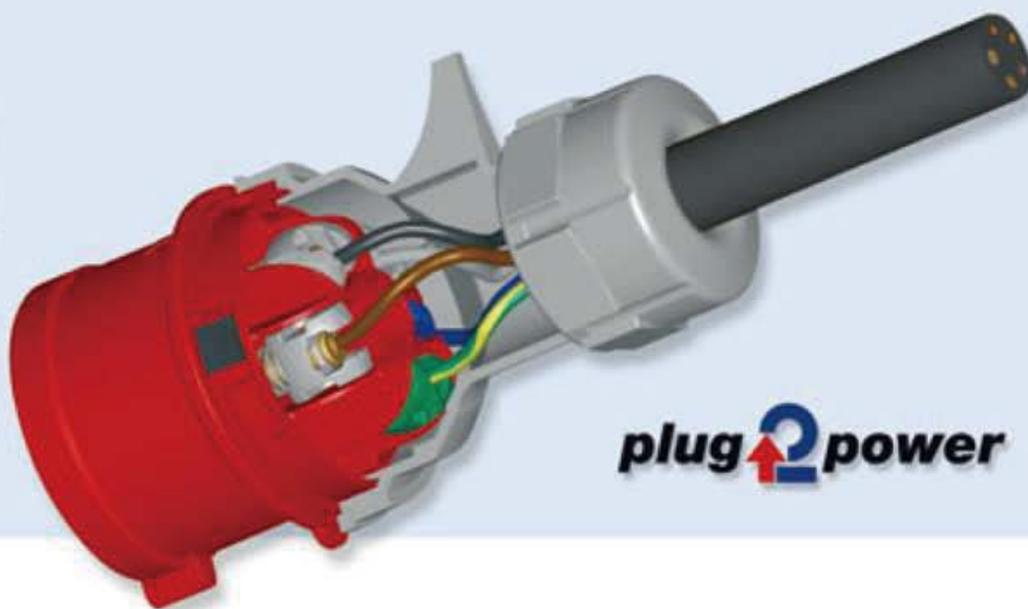


Re-open terminal



Flexible stripped wires

- with or without ferrules or single wire stripped wires



plug  power

Technology in detail

Connecting terminals

The tunnel terminals are designed for the following maximum conductor cross-sections:

| Nominal current | Conductor cross-section | |
|-----------------|--------------------------|--|
| | Flexible mm ² | Stiff (single/multiple wire) mm ² |
| A | | |
| 16 | 4 | 6 |
| 32 | 6 | 10 |
| 63 | 16 | 25 |
| 125 | 50 | 70 |

IP Degrees of protection

CEE plug connections with rated currents 16A and 32A correspond to degree of protection IP 44 or IP 67;
63 A and 125 A of degree of protection IP67 according to EN 60529.

Sockets and connectors are tested with and without plugs or connectors inserted.

Plugs and connectors are tested in an inserted state (to a socket or connector).

| 1st parameter | Protection against penetration of solids | 2nd parameter | Protection against penetration of water with damaging effects |
|---------------|--|---------------|---|
| 2 | ∅ 12.5 mm | 0 | Not protected |
| 3 | ∅ 2.5 mm | 3 | Spray water up to 60° to perpendicular |
| 4 | ∅ 1 mm | 4 | Splash water from all directions |
| 5 | Dust protected | 5 | Jet water from all directions |
| 6 | Dust-proof | 6 | Strong jet water |
| | | 7 | Temporary submergence under specified pressure and time conditions |
| | | 8 | Long-term submergence under specified pressure for a certain amount of time |

Example IP 44:

1st Parameter = 4 (Protection against foreign bodies larger than 1 mm ∅)
2nd Parameter = 4 (Protection against splash water from all directions)



Holder

A holder prevents unintended removal caused by snapping-in of the hinged lid into the retaining lug or slot as well as with the bayonet system (ramp) with a bayonet ring.

In accordance with IEC/EN 60309, the following holders have to be provided:

| Rated currents | Degree of protection | Sockets and connectors | Plugs and appliance inlets |
|----------------|----------------------|------------------------|--|
| 16 A and 32 A | IP 44 | Hinged lid | Retaining lug or slot |
| 16 A and 32 A | IP 67 | Bayonet system | Retaining lug or slot and bayonet ring |
| 63 A and 125 A | IP 67 | Bayonet system | bayonet ring |

IK code

The IK code is a coding system complying with EN 50102, which gives the protection level by a housing against damaging external mechanical wear.

All characteristic parameters of the IK code represent an energy stress level corresponding to the values in the following table:

| IK code | IK01 | IK02 | IK03 | IK04 | IK05 | IK06 | IK07 | IK08 | IK09 | IK10 |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|
| Energy stress level [Joule] | 0.14 | 0.2 | 0.35 | 0.5 | 0.7 | 1 | 2 | 5 | 10 | 20 |

Plastic

Our plug connections are made primarily from PA6 as well as from PC/ABS. These technical plastics have the following special characteristics:

- excellent impact resistance in connection with high degrees of stiffness and strength
- high heat stability
- very good insulating characteristics
- high disruptive strength
- high wear resistance
- high weather resistance
- very good chemical resistance to a large number of different chemicals
- free of cadmium and halogens (fluorine, chlorine, bromine, iodine, astatine)
- in conformance with RoHS Directive 2002/95/EG

Temperatures

IEC/EN 60309 is valid for CEE plug connections which are used at an ambient temperature not normally outside the range of $-25\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$.

Our CEE plug connections themselves have a temperature resistance from $-25\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$, short term 1h $+100\text{ }^{\circ}\text{C}$. The contacts can heat up by $50\text{ }^{\circ}\text{C}$ under testing conditions.

Contacts

The contacts are manufactured from a copper zinc alloy. This has very good characteristics for contact connections such as:

- high degree of electric conductivity $15\text{ m} / (\text{Ohm mm}^2)$;
- high tensile strength $103\text{ kN} / \text{mm}^2$;
- high corrosion resistance in industrial atmospheres, . . .
- increased corrosion resistance in nickel-plated version to sea water, water vapours, sulphur compounds, as well as in agriculture, dairies . .
- in conformance with RoHS Directive 2002/95/EG

The connectors and sockets 63 A and 125 A contain a CuBe lamellar spring with optimal contacting and corrosion protection (see page 14/15).

Pilot contact

The pilot contact for currents of 63 A and 125 A is an auxiliary contact – closes lagging when inserting and opens leading when removing – and serves for electric locking. A lock prevents insertion and removal under loads. CEE connectors and sockets with pilot contacts have longer phase contacts and do not guarantee finger protection; this has to be provided by a lock.

Tested and approved

The name ABL SURSUM stands for the highest quality. Our products are often subjected to extreme conditions. In order to ensure that these products can stand up to these requirements, we constantly test them in our laboratories. In addition, we take national and international certification very seriously and have this carried out by independent renowned institutions. Only products fulfilling all of these criteria are used worldwide and earn our name.



CE label



The CE label indicates the product safety of certain products according to EU Law.

By bearing a CE label, the manufacturer confirms that the product is in compliance with the valid European directives. A CE label does not allow one to see whether the product was inspected by independent agencies as to conformity with regulations.

The CE label is not a seal of approval or quality label.

Approval

Approval from the country certification agencies that have approved ABL SURSUM products.



Germany



Austria



Sweden



USA



Germany



Switzerland



Norway



USA/
Canada



Belgium



Poland



Singapore



Canada



Netherlands



Czech Republic



Malaysia



Russia



France



Finland



USA



China

CEE17 Plug connection

The generally used term "CEE17 plug connection" is derived from the standardisation of the CEE Publication 17 from 1966 which is no longer valid.

For this, the requirements for plug connections for industrial purposes are described in the INTERNATIONAL COMMISSION ON RULES FOR THE APPROVAL OF ELECTRICAL EQUIPMENT (short CEE).

Standardisation IEC

Today, "CEE17 plug connections" for industrial use are internationally standardised by IEC 60309-1 and IEC 60309-2. The IEC (International Electronics Commission), located in Geneva, is a standards organisation working worldwide in the areas of electronics and electrotechnology.

Standardisation CENLEC

The European Committee for Electrotechnical Standardisation (short CENLEC) took the standards requirements from IEC 60309 and implemented in European Standard EN 60309 without any changes.

CENLEC is responsible for European standardisation in the area of electrotechnology.

Member countries of CENLEC are the national electrotechnology committees of Belgium, Denmark, Germany, Estonia, Finland, France, Greece, Ireland, Iceland, Italy, Latvia, Lithuania, Luxemburg, Malta, Netherlands, Norway, Austria, Poland, Portugal, Romania, Sweden, Switzerland, Slovakia, Slovenia, Spain, Czech Republic, Hungary, the United Kingdom and Cyprus.

RoHS Directive 2002/95/EG

The directive on banning hazardous materials regulates the limitations for putting lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) in electric and electronic devices on the market.

Our industrial plug connections do not fall under the jurisdiction of the RoHS Directive 2002/95/EG. However, if these were to be installed in devices or their components which fall under the jurisdiction of this directive, they would be in accordance with the restrictions set down in the RoHS directive.

The following devices and components built into devices fall under the jurisdiction of the RoHS:

Large home appliances, small home appliances, IT and telecommunication devices, consumer electronics devices, lighting devices, lamps and lights in households, electric transformers built into lighting, switches, motion detectors and ballasts, electric and electronic tools (with the exception of large, anchored, industrial tools), toys as well as sporting and leisure devices, automated vending machines as well as the connection cables and plugs associated with the above.

System for compatibility and distinctiveness

Through the international standardisation of industrial plug connections, the most important measurements, for example, are so designed that plug connections with the same rated currents, rated operational voltage ranges, same number of poles and frequency from different manufacturers are compatible with one another.

In addition, 12 different standardised clock-hour positions for the protective contact, in relation to the non-interchangeable nose on the protective collar, prevent devices with different rated values being connected to each other.

If the label of an industrial plug connection has the number "9" followed by the letter "h" (hour), this gives the position of the protective contact socket if one looks at the front side of a socket or connector and compares it to the face of a clock. For this, the slot in the protective collar must be turned to 6 o'clock.

See page 23 for a table with the clock-face positions.

A convincing product range



CEE Plugs and sockets

according to IEC 60309, EN 60309, VDE 0623

Only round plug connections in accordance with VDE 0623 are permitted as three-phase plug connections according to VDE 0100-550. Exceptions: domestic installations, sewing halls, laboratories and such (PERILEX is still used in such facilities).

For alternating-current networks on construction sites, round plug connections according to VDE 0623 in type EN 60309-2 are required in addition to the SCHUKO plug connections for difficult conditions. This is also true for agricultural premises.

At camping sites and boat moorings as well as connections for caravans, round plug connections acc. to VDE 0623 in type EN 60309-2 are required according to VDE 0100-721. This is also valid for show-type vehicles and caravans.

Round plug connections in UL versions according to UL 1682/86 are available upon request!

Clock face position of the protective contact and colour indicator Viewed from the front of the connector sockets to the contact socket

| | 4 h | 9 h | 6 h | 11 h | 7 h | 5 h | 12 h | 1 h | 10 h | 2 h | 3 h | 8 h |
|--|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|---------|---------|-----------------|--|-------------|
| Frequency (Hz) | 50-60 | 50-60 | 50-60 | 60 | 50-60 | 50-60 | 50-60 | - | 100-300 | over 300 to 500 | 50-60 | |
| Voltage (V) | 57/100 to 75/130 | 120/208 to 144/250 | 200/346 to 240/415 | 250/400 to 265/460 | 277/480 to 288/500 | 347/600 to 400/690 | | over 50 | over 50 | over 50 | 220/380 to 250/440 16 + 32 A ¹⁾ | |
| 5-pole 3-pole + N + PE | | | | | | | | | | | | |
| Voltage (V) | 100-130 | 200-250 | 380-415 | 440-460 | 480-500 | 600-690 | Voltage according to isolating transformer* | | over 50 | over 50 | 380-440 only for 16 + 32 A ¹⁾ | |
| 4-pole 3-pole + PE | | | | | | | | | | | | |
| Voltage (V) | 100-130 | 380-415 | 200-250 | | 480-500 | 277* | Voltage according to isolating transformer* | | * | | over 50 to 250 DC | over 250 DC |
| 3-pole 2-pole + PE | | | | | | | | | | | | |
| 63 A + 125 A plug connections with pilot contact | | | | | | | | | | | | |

The position of the auxiliary nose to the earth nose for voltages up to 50 V and frequencies up to 500 Hz and colour markings View from the front side of the connector sockets to the contact sockets

| | - | 12 h | 4 h | 2 h | 3 h | 11 h | 10 h | | | | | |
|----------------|-------|-------|---------|----------|----------|-----------------|----------|--|--|--|--|--|
| Frequency (Hz) | 50-60 | 50-60 | 100-200 | 300 | 400 | over 400 to 500 | DC | | | | | |
| Voltage (V) | 20-25 | 40-50 | 40-50 | up to 50 | up to 50 | up to 50 | up to 50 | | | | | |
| 2-pole | | | | | | | | | | | | |
| 3-pole | | | | | | | | | | | | |

¹⁾ These versions are not part of the standards specified

¹⁾ only for reefer container

Innovation, practicality and highest quality are external characteristics and inner values of our products. They convince the professional and make us to one of the leading suppliers of electrical connection technology.



With the most modern technologies, the inventiveness of our very well trained staff and decades of experience, we have achieved recognised renown throughout the industry sector. These high standards are reflected in the quality of our products. However, that is not enough. In addition to sophisticated technology and comprehensive unrivalled safety aspects, we also have a huge variety in our product range. We offer you a powerful and very extensive range that will meet any challenges and leave nothing to be desired.

Note

Exact explanations as to the position of the protective contact can be found on the left side of the flap!



CEE Plugs

according to IEC 60309, EN 60309, VDE 0623



| | | | | |
|--|-----------------|---------|---------|---------|
| | Poles | 3 | 4 | 5 |
| | Ampere | 63 | | |
| | a | 257 | 257 | 257 |
| | b | 190 | 190 | 190 |
| | c | 102 | 102 | 102 |
| | K | 14,5-36 | 14,5-36 | 14,5-36 |
| | Weight [g/each] | 500 | 549 | 603 |

Plug

splash-proof IP44

- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 63 | 3 | S33S10 | S33S20 | S33S30 | | S33S50 | S33S80 | S33S90 | 2 |
| 63 | 4 | S43S10 | S43S20 | S43S30 | S43S40 | S43S50 | S43S80 | S43S90 | 2 |
| 63 | 5 | S53S10 | S53S20 | S53S30 | | S53S50 | S53S80 | S53S90 | 2 |



| | | | | |
|--|-----------------|---------|---------|---------|
| | Poles | 3 | 4 | 5 |
| | Ampere | 63 | | |
| | a | 257 | 257 | 257 |
| | b | 114 | 114 | 114 |
| | K | 14,5-36 | 14,5-36 | 14,5-36 |
| | Weight [g/each] | 547 | 596 | 650 |

Plug

watertight IP67

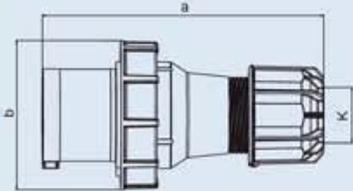
- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 63 | 3 | S33S15 | S33S25 | S33S35 | | S33S55 | S33S85 | S33S95 | 2 |
| 63 | 4 | S43S15 | S43S25 | S43S35 | S43S45 | S43S55 | S43S85 | S43S95 | 2 |
| 63 | 5 | S53S15 | S53S25 | S53S35 | | S53S55 | S53S85 | S53S95 | 2 |

CEE Plugs

according to IEC 60309, EN 60309, VDE 0623



| | | | | |
|---|------------------------|------------|----------|----------|
|  | Poles | 3 | 4 | 5 |
| | Ampere | 125 | | |
| | a | 270 | 270 | 270 |
| | b | 131 | 131 | 131 |
| | K | 22,5-50 | 22,5-50 | 22,5-50 |
| | Weight [g/each] | 1318 | 1433 | 1545 |

Plug

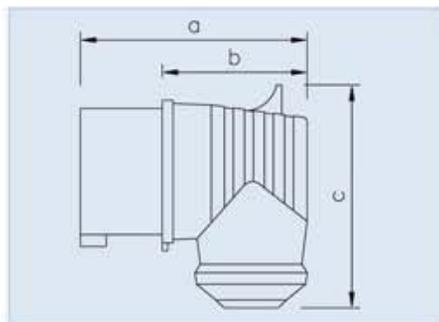
watertight IP67

- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 125 | 3 | S34S15 | S34S25 | S34S35 | | S34S55 | S34S85 | S34S95 | 2 |
| 125 | 4 | S44S15 | S44S25 | S44S35 | S44S45 | S44S55 | S44S85 | S44S95 | 2 |
| 125 | 5 | S54S15 | S54S25 | S54S35 | | S54S55 | S54S85 | S54S95 | 2 |

CEE Angle plugs

according to IEC 60309, EN 60309, VDE 0623



| | |
|-----------------|-----|
| Poles | 5 |
| Ampere | 16 |
| a | 101 |
| b | 65 |
| c | 98 |
| Weight [g/each] | 180 |

Angle plug

splash-proof IP44

- short entry sleeve at the side
- screw terminals

The angle plug is also available with **nickel-plated** contacts. Add a "V" instead of the second "S" to the article number e.g. S51V32.

| | | | |
|-------------|-------|-----------------------|--------------|
| Voltage | | 400 V~ | |
| Frequency | | 50/60 Hz | |
| Designation | | 3p = 9h 4p/5p = 6h | |
| Ampere | Poles | Article no. | Packing unit |
| 16 | 5 | S51S32 | 10 |



| | | |
|-----------------|------|------|
| Poles | 3 | 4 |
| Ampere | 16 | |
| a | 96 | 98 |
| b | 59 | 62 |
| c | 47 | 53 |
| d | 82 | 87 |
| K | 6-15 | 6-15 |
| SW | 38 | 38 |
| Weight [g/each] | 110 | 130 |

Angle plug

splash-proof IP44

- quick release locking system (turn2fix)
- screwless connection technology (plug2power)

All angle plugs are also available with **nickel-plated** contacts. Add a "V" instead of the second "S" to the article number e.g. S31VL12.

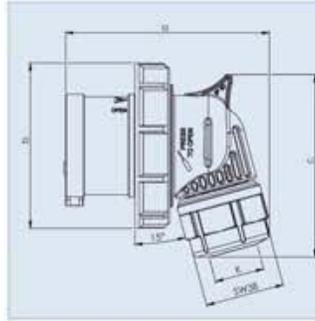
| | | | | | | | | |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| Voltage | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | S31SL12 | S31SL22 | S31SL32 | S31SL52 | S31SL82 | S31SL92 | 10 |
| 16 | 4 | S41SL12 | S41SL22 | S41SL32 | S41SL52 | S41SL82 | S41SL92 | 10 |

plug2power

turn2fix

CEE Angle plugs

according to IEC 60309, EN 60309, VDE 0623



| | | |
|-----------------|------|------|
| Poles | 3 | 4 |
| Ampere | 16 | |
| a | 96 | 98 |
| b | 71 | 79 |
| c | 82 | 87 |
| K | 6-15 | 6-15 |
| SW | 38 | 38 |
| Weight [g/each] | 126 | 152 |

Angle plug

watertight IP67

- quick release locking system (turn2fix)
- screwless connection technology (plug2power)

All angle plugs are also available with **nickel-plated** contacts. Add a "V" instead of the second "S" to the article number e.g. S31VL17.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | S31SL17 | S31SL27 | S31SL37 | S31SL57 | S31SL87 | S31SL97 | 10 |
| 16 | 4 | S41SL17 | S41SL27 | S41SL37 | S41SL57 | S41SL87 | S41SL97 | 10 |

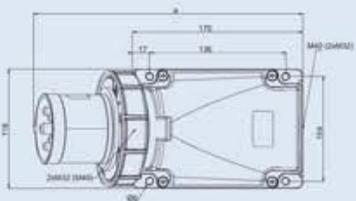
plug2power

turn2fix

CEE Wall-mounted inlets

according to IEC 60309, EN 60309, VDE 0623



| | | | | |
|--|---------------|-----------|----------|----------|
|  <p>b = Height, Angle = 15°</p> | Poles | 3 | 4 | 5 |
| | Ampere | 63 | | |
| a | 271 | 271 | 271 | |
| b | 175 | 175 | 175 | |
| Weight [g/each] | 812 | 864 | 914 | |

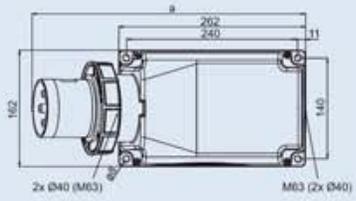
Wall-mounted inlet watertight IP67

- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals
- cable entry above, below or behind
- housing can be rotated 180°
- including blank screw connection

Watertight cap see page 43

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | G33S15 | G33S25 | G33S35 | G33S55 | G33S85 | G33S95 | 2 |
| 63 | 4 | G43S15 | G43S25 | G43S35 | G43S55 | G43S85 | G43S95 | 2 |
| 63 | 5 | G53S15 | G53S25 | G53S35 | G53S55 | G53S85 | G53S95 | 2 |



| | | | | |
|--|---------------|------------|----------|----------|
|  <p>b = Height, Angle = 15°</p> | Poles | 3 | 4 | 5 |
| | Ampere | 125 | | |
| a | 387 | 387 | 387 | |
| b | 209 | 209 | 209 | |
| Weight [g/each] | 1760 | 1800 | 1840 | |

Wall-mounted inlet watertight IP67

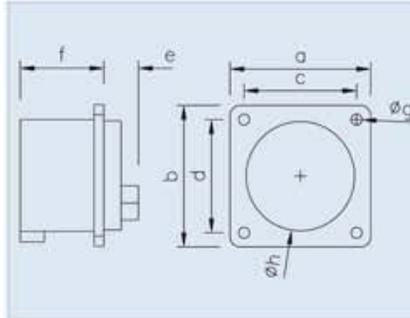
- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals
- cable entry above, below or behind
- housing can be rotated 180°
- including blank screw connection

Watertight cap see page 43

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 125 | 3 | G34S15 | G34S25 | G34S35 | G34S55 | G34S85 | G34S95 | 1 |
| 125 | 4 | G44S15 | G44S25 | G44S35 | G44S55 | G44S85 | G44S95 | 1 |
| 125 | 5 | G54S15 | G54S25 | G54S35 | G54S55 | G54S85 | G54S95 | 1 |

CEE Appliance inlets

according to IEC 60309, EN 60309, VDE 0623



| | | |
|------------------------|-----------|-----------|
| Poles | 5 | 5 |
| Ampere | 16 | 32 |
| a and b | 75 | 75 |
| c and d | 60 | 60 |
| e | 26 | 30 |
| f | 42 | 50 |
| g | 5 | 5 |
| h | 54 | 55 |
| Weight [g/each] | 120 | 181 |

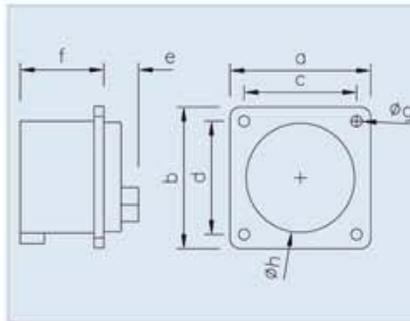
Appliance inlet, straight
splash-proof IP44

- screw terminals

Notice acc. to EN 60309:
for correct use, a retaining lug or retaining slot is necessary.

All appliance inlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. A51V14.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 5 | A51S14 | A51S24 | A51S34 | A51S54 | A51S84 | A51S94 | 10 |
| 32 | 5 | A52S14 | A52S24 | A52S34 | A52S54 | A52S84 | A52S94 | 10 |



| | | | | | | |
|------------------------|-----------|----------|----------|-----------|----------|----------|
| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| Ampere | 16 | | | 32 | | |
| a and b | 70 | 70 | 70 | 75 | 70 | 70 |
| c and d | 56 | 56 | 56 | 56 | 56 | 56 |
| e | 25 | 25 | 26 | 30 | 30 | 30 |
| f | 41 | 41 | 42 | 50 | 50 | 50 |
| g | 5 | 5 | 5 | 5 | 5 | 5 |
| h | 43 | 43 | 55 | 55 | 55 | 55 |
| Weight [g/each] | 87 | 100 | 112 | 140 | 160 | 178 |

Appliance inlet, straight
splash-proof IP44

- screw terminals

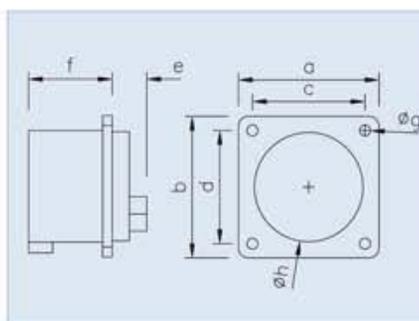
Notice acc. to EN 60309:
for correct use, a retaining lug or retaining slot is necessary.

All appliance inlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. A31V12.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | A31S12 | A31S22 | A31S32 | A31S52 | A31S82 | A31S92 | 10 |
| 16 | 4 | A41S12 | A41S22 | A41S32 | A41S52 | A41S82 | A41S92 | 10 |
| 16 | 5 | A51S12 | A51S22 | A51S32 | A51S52 | A51S82 | A51S92 | 10 |
| 32 | 3 | A32S12 | A32S22 | A32S32 | A32S52 | A32S82 | A32S92 | 10 |
| 32 | 4 | A42S12 | A42S22 | A42S32 | A42S52 | A42S82 | A42S92 | 10 |
| 32 | 5 | A52S12 | A52S22 | A52S32 | A52S52 | A52S82 | A52S92 | 10 |

CEE Appliance inlets

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|
| Ampere | 16 | | |
| a and b | 60 | 60 | 60 |
| c and d | 50 | 50 | 50 |
| e | 25 | 25 | 26 |
| f | 41 | 41 | 42 |
| g | 4,5 | 4,5 | 4,5 |
| h | 43 | 43 | 54 |
| Weight [g/each] | 82 | 95 | 112 |

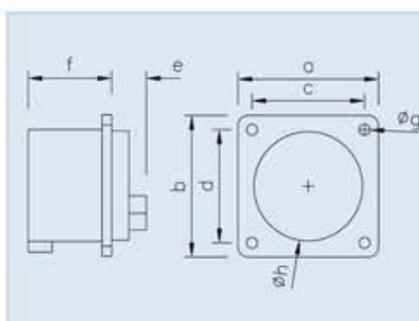
Appliance inlet, straight splash-proof IP44

- screw terminals

Notice acc. to EN 60309:
for correct use, a retaining lug or
retaining slot is necessary.

All appliance inlets are also available
with **nickel-plated** contacts.
Add a "V" instead of the "S" to the
article number e.g. A31V13.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | A31S13 | A31S23 | A31S33 | A31S53 | A31S83 | A31S93 | 10 |
| 16 | 4 | A41S13 | A41S23 | A41S33 | A41S53 | A41S83 | A41S93 | 10 |
| 16 | 5 | A51S13 | A51S23 | A51S33 | A51S53 | A51S83 | A51S93 | 10 |



| Poles | 3 | 4 |
|------------------------|-----------|-----|
| Ampere | 16 | |
| a and b | 56 | 56 |
| c and d | 48 | 48 |
| e | 25 | 25 |
| f | 41 | 41 |
| g | 4,5 | 4,5 |
| h | 43 | 43 |
| Weight [g/each] | 75 | 91 |

Appliance inlet, straight splash-proof IP44

- screw terminals

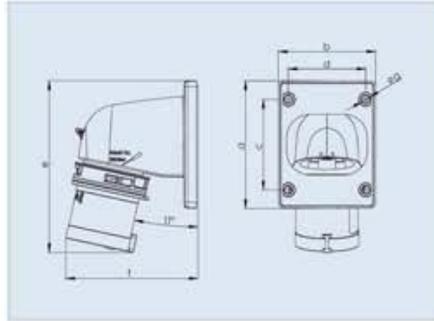
Notice acc. to EN 60309:
for correct use, a retaining lug or
retaining slot is necessary.

All appliance inlets are also available
with **nickel-plated** contacts.
Add a "V" instead of the "S" to the
article number e.g. A31V14.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | A31S14 | A31S24 | A31S34 | A31S54 | A31S84 | A31S94 | 10 |
| 16 | 4 | A41S14 | A41S24 | A41S34 | A41S54 | A41S84 | A41S94 | 10 |

CEE Appliance inlets

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a | 86 | 86 | 100 | 100 | 100 | 100 |
| b | 66 | 66 | 90 | 90 | 90 | 90 |
| c | 61 | 61 | 85 | 85 | 85 | 85 |
| d | 53 | 53 | 77 | 77 | 77 | 77 |
| e | 116 | 117 | 153 | 163 | 163 | 164 |
| f | 90 | 93 | 98 | 100 | 100 | 103 |
| g | 5 | 5 | 5 | 5 | 5 | 5 |
| Weight [g/each] | 129 | 143 | 187 | 200 | 220 | 244 |

Angle appliance inlet

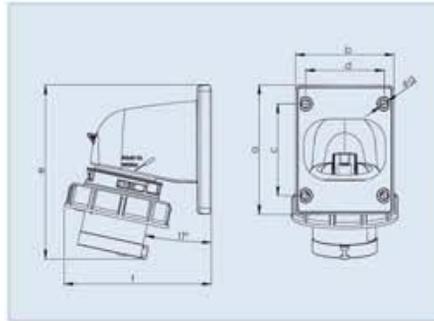
splash-proof IP44

- screw terminals
- quick release locking system (turn2fix)

All angle appliance inlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. A31V11.



| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | A31S11 | A31S21 | A31S31 | A31S51 | A31S81 | A31S91 | 10 |
| 16 | 4 | A41S11 | A41S21 | A41S31 | A41S51 | A41S81 | A41S91 | 10 |
| 16 | 5 | A51S11 | A51S21 | A51S31 | A51S51 | A51S81 | A51S91 | 10 |
| 32 | 3 | A32S11 | A32S21 | A32S31 | A32S51 | A32S81 | A32S91 | 10 |
| 32 | 4 | A42S11 | A42S21 | A42S31 | A42S51 | A42S81 | A42S91 | 10 |
| 32 | 5 | A52S11 | A52S21 | A52S31 | A52S51 | A52S81 | A52S91 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a | 86 | 86 | 100 | 100 | 100 | 100 |
| b | 66 | 66 | 90 | 90 | 90 | 90 |
| c | 61 | 61 | 85 | 85 | 85 | 85 |
| d | 53 | 53 | 77 | 77 | 77 | 77 |
| e | 116 | 117 | 153 | 163 | 163 | 164 |
| f | 99 | 103 | 107 | 110 | 110 | 114 |
| g | 5 | 5 | 5 | 5 | 5 | 5 |
| Weight [g/each] | 146 | 165 | 212 | 231 | 251 | 275 |

Angle appliance inlet

watertight IP67

- screw terminals
- quick release locking system (turn2fix)

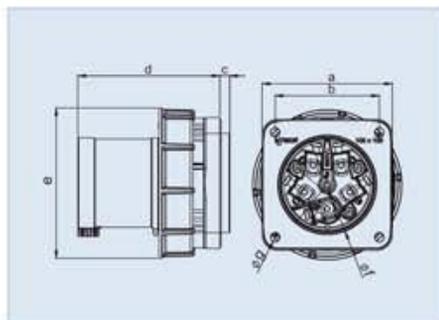
All angle appliance inlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. A31V16.



| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | A31S16 | A31S26 | A31S36 | A31S56 | A31S86 | A31S96 | 10 |
| 16 | 4 | A41S16 | A41S26 | A41S36 | A41S56 | A41S86 | A41S96 | 10 |
| 16 | 5 | A51S16 | A51S26 | A51S36 | A51S56 | A51S86 | A51S96 | 10 |
| 32 | 3 | A32S16 | A32S26 | A32S36 | A32S56 | A32S86 | A32S96 | 10 |
| 32 | 4 | A42S16 | A42S26 | A42S36 | A42S56 | A42S86 | A42S96 | 10 |
| 32 | 5 | A52S16 | A52S26 | A52S36 | A52S56 | A52S86 | A52S96 | 10 |

CEE Appliance inlets

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|------------|-----|------|
| Ampere | 63 | | | 125 | | |
| a | 100 | 100 | 100 | 120 | 120 | 120 |
| b | 80 | 80 | 80 | 100 | 100 | 100 |
| c | 8 | 8 | 8 | 13 | 13 | 13 |
| d | 109 | 109 | 109 | 118 | 118 | 118 |
| e | 115 | 115 | 115 | 131 | 131 | 131 |
| f | 77 | 77 | 77 | 95 | 95 | 95 |
| g | 7 | 7 | 7 | 7 | 7 | 7 |
| Weight [g/each] | 479 | 531 | 581 | 786 | 896 | 1003 |

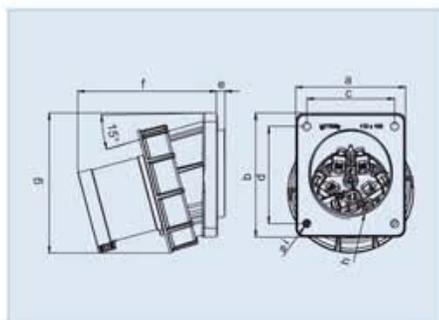
Appliance inlet, straight watertight IP67

- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals

Watertight cap see page 43

IP44 upon request

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | A33S17 | A33S27 | A33S37 | A33S57 | A33S87 | A33S97 | 2 |
| 63 | 4 | A43S17 | A43S27 | A43S37 | A43S57 | A43S87 | A43S97 | 2 |
| 63 | 5 | A53S17 | A53S27 | A53S37 | A53S57 | A53S87 | A53S97 | 2 |
| 125 | 3 | A34S17 | A34S27 | A34S37 | A34S57 | A34S87 | A34S97 | 2 |
| 125 | 4 | A44S17 | A44S27 | A44S37 | A44S57 | A44S87 | A44S97 | 2 |
| 125 | 5 | A54S17 | A54S27 | A54S37 | A54S57 | A54S87 | A54S97 | 2 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|------------|-----|------|
| Ampere | 63 | | | 125 | | |
| a | 100 | 100 | 100 | 120 | 120 | 120 |
| b | 112 | 112 | 112 | 130 | 130 | 130 |
| c | 80 | 80 | 80 | 100 | 100 | 100 |
| d | 88 | 88 | 88 | 108 | 108 | 108 |
| e | 8 | 8 | 8 | 8 | 8 | 8 |
| f | 127 | 127 | 127 | 139 | 139 | 139 |
| g | 127 | 127 | 127 | 145 | 145 | 145 |
| h | 80 | 80 | 80 | 80 | 80 | 80 |
| i | 7 | 7 | 7 | 7 | 7 | 7 |
| Weight [g/each] | 515 | 566 | 617 | 833 | 942 | 1050 |

Appliance inlet, angled 15° watertight IP67

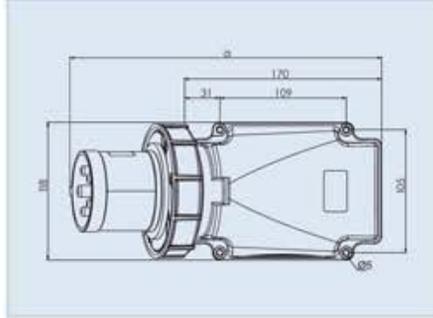
- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals

Watertight cap see page 43

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | A33S15 | A33S25 | A33S35 | A33S55 | A33S85 | A33S95 | 2 |
| 63 | 4 | A43S15 | A43S25 | A43S35 | A43S55 | A43S85 | A43S95 | 2 |
| 63 | 5 | A53S15 | A53S25 | A53S35 | A53S55 | A53S85 | A53S95 | 2 |
| 125 | 3 | A34S15 | A34S25 | A34S35 | A34S55 | A34S85 | A34S95 | 2 |
| 125 | 4 | A44S15 | A44S25 | A44S35 | A44S55 | A44S85 | A44S95 | 2 |
| 125 | 5 | A54S15 | A54S25 | A54S35 | A54S55 | A54S85 | A54S95 | 2 |

CEE Appliance inlets

according to IEC 60309, EN 60309, VDE 0623



| | | | |
|------------------------|-----------|----------|----------|
| Poles | 3 | 4 | 5 |
| Ampere | 63 | | |
| a | 271 | 271 | 271 |
| b | 124 | 124 | 124 |
| Weight [g/each] | 670 | 722 | 772 |

Appliance inlet

watertight IP67

- HighPower version
- nickel-plated contacts with pilot contact
- screw terminals
- cable entry from behind including flange seal

Watertight cap see page 43

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | A33S16 | A33S26 | A33S36 | A33S56 | A33S86 | A33S96 | 2 |
| 63 | 4 | A43S16 | A43S26 | A43S36 | A43S56 | A43S86 | A43S96 | 2 |
| 63 | 5 | A53S16 | A53S26 | A53S36 | A53S56 | A53S86 | A53S96 | 2 |

CEE Phase inverter

according to IEC 60309, EN 60309, VDE 0623



| | | | | | |
|--|------------------------|-----------|----------|-----------|----------|
| | Poles | 4 | 5 | 4 | 5 |
| | Ampere | 16 | | 32 | |
| | a | 124 | 131 | 146 | 152 |
| | b | 88 | 95 | 100 | 106 |
| | c | 53 | 61 | 63 | 70 |
| | K | 6-15 | 8-16 | 10-20 | 12-22 |
| | SW | 38 | 42 | 50 | 50 |
| | Weight [g/each] | 122 | 156 | 190 | 232 |

Phase inverter

splash-proof IP44
watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts



| | | 230 V~ | 400 V~ | Degree of protection | |
|--------|-------|-----------------------|-----------------------|----------------------|--------------|
| | | 50/60 Hz | 50/60 Hz | | |
| | | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Article no. | IP | Packing unit |
| 16 | 4 | S41S20P | S41S30P | 44 | 10 |
| 16 | 4 | S41S25P | S41S35P | 67 | 10 |
| 16 | 5 | | S51S30P | 44 | 10 |
| 16 | 5 | | S51S35P | 67 | 10 |
| 32 | 4 | S42S20P | S42S30P | 44 | 10 |
| 32 | 4 | S42S25P | S42S35P | 67 | 10 |
| 32 | 5 | | S52S30P | 44 | 10 |
| 32 | 5 | | S52S35P | 67 | 10 |



| | | | |
|--|------------------------|-----------|-----------|
| | Poles | 5 | 5 |
| | Ampere | 16 | 32 |
| | a | 123 | 132 |
| | b | 79 | 86 |
| | M | 25 | 25 |
| | Weight [g/each] | 215 | 280 |

Phase inverter – wall-mounted inlet

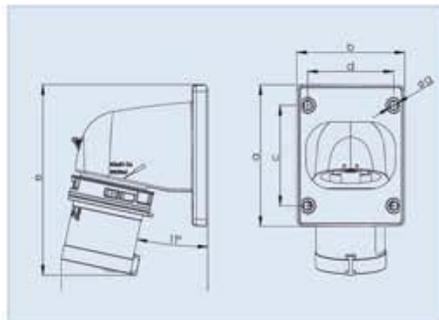
splash-proof IP44

- screw terminals
- cable entry from above or behind
- nickel-plated contacts

| | | 400 V~ | Notice | |
|--------|-------|-----------------------|-----------------|--|
| | | 50/60 Hz | | |
| | | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Packing unit | |
| 16 | 5 | G51S30P | | |
| 16 | 5 | G51S31P | with hinged lid | |
| 32 | 5 | G52S30P | | |
| 32 | 5 | G52S31P | with hinged lid | |

CEE Phase inverter

according to IEC 60309, EN 60309, VDE 0623



| Poles | 4 | 5 | 4 | 5 |
|------------------------|-----------|-----|-----------|-----|
| Ampere | 16 | | 32 | |
| a | 86 | 100 | 100 | 100 |
| b | 66 | 90 | 90 | 90 |
| c | 61 | 85 | 85 | 85 |
| d | 53 | 77 | 77 | 77 |
| e | 117 | 153 | 163 | 164 |
| f | 93 | 98 | 100 | 103 |
| g | 5 | 5 | 5 | 5 |
| Weight [g/each] | 143 | 187 | 220 | 244 |

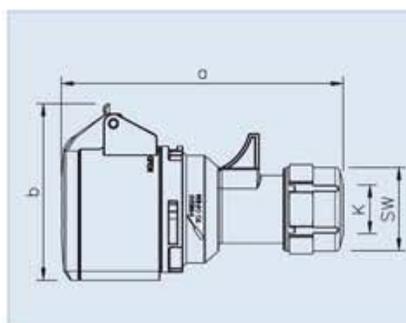
Phase inverter – angle appliance inlet

splash-proof IP44
watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts



| | | 230 V~ | 400 V~ | Degree of protection | |
|--------|-------|-----------------------|-----------------------|----------------------|--------------|
| | | 50/60 Hz | 50/60 Hz | | |
| | | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Article no. | IP | Packing unit |
| 16 | 4 | A41S21P | A41S31P | 44 | 10 |
| 16 | 4 | A41S26P | A41S36P | 67 | 10 |
| 16 | 5 | | A51S31P | 44 | 10 |
| 16 | 5 | | A51S36P | 67 | 10 |
| 32 | 4 | A42S21P | A42S31P | 44 | 10 |
| 32 | 4 | A42S26P | A42S36P | 67 | 10 |
| 32 | 5 | | A52S31P | 44 | 10 |
| 32 | 5 | | A52S36P | 67 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|-------|-------|-------|
| Ampere | 16 | | | 32 | | |
| a | 129 | 135 | 142 | 159 | 159 | 165 |
| b | 76 | 80 | 89 | 92 | 92 | 98 |
| K | 6-15 | 6-15 | 8-16 | 10-20 | 10-20 | 12-22 |
| SW | 38 | 38 | 42 | 50 | 50 | 50 |
| Weight [g/each] | 137 | 161 | 183 | 225 | 244 | 278 |

Connector

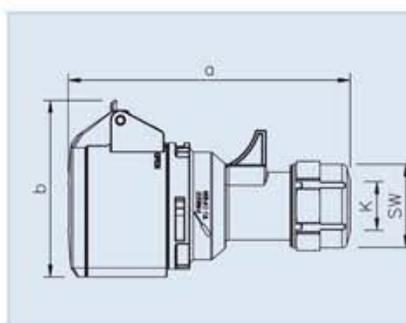
splash-proof IP44

- hinged lid with thumb grip
- screw terminals
- quick release locking system (turn2fix)

All connectors are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. K31V10.



| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|---------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | K31S10 | K31S20 | K31S30 | | K31S50 | K31S80 | K31S90 | 10 |
| 16 | 4 | K41S10 | K41S20 | K41S30 | K41S40 | K41S50 | K41S80 | K41S90 | 10 |
| 16 | 5 | K51S10 | K51S20 | K51S30 | | K51S50 | K51S80 | K51S90 | 10 |
| 32 | 3 | K32S10 | K32S20 | K32S30 | | K32S50 | K32S80 | K32S90 | 10 |
| 32 | 4 | K42S10 | K42S20 | K42S30 | K42S40 | K42S50 | K42S80 | K42S90 | 10 |
| 32 | 5 | K52S10 | K52S20 | K52S30 | | K52S50 | K52S80 | K52S90 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|-------|-------|-------|
| Ampere | 16 | | | 32 | | |
| a | 129 | 135 | 142 | 159 | 159 | 165 |
| b | 76 | 80 | 89 | 92 | 92 | 98 |
| K | 6-15 | 6-15 | 8-16 | 10-20 | 10-20 | 12-22 |
| SW | 38 | 38 | 42 | 50 | 50 | 50 |
| Weight [g/each] | 142 | 168 | 195 | 232 | 251 | 285 |

Connector

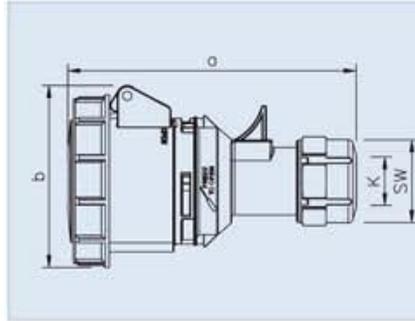
splash-proof IP44

- hinged lid with thumb grip
- screwless connection technology (plug2power)
- quick release locking system (turn2fix)

All connectors are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. K31VL10.



| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|----------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | K31SL10 | K31SL20 | K31SL30 | K31SL50 | K31SL80 | K31SL90 | 10 |
| 16 | 4 | K41SL10 | K41SL20 | K41SL30 | K41SL50 | K41SL80 | K41SL90 | 10 |
| 16 | 5 | K51SL10 | K51SL20 | K51SL30 | K51SL50 | K51SL80 | K51SL90 | 10 |
| 32 | 3 | K32SL10 | K32SL20 | K32SL30 | K32SL50 | K32SL80 | K32SL90 | 10 |
| 32 | 4 | K42SL10 | K42SL20 | K42SL30 | K42SL50 | K42SL80 | K42SL90 | 10 |
| 32 | 5 | K52SL10 | K52SL20 | K52SL30 | K52SL50 | K52SL80 | K52SL90 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|-------|-------|-------|
| Ampere | 16 | | | 32 | | |
| a | 133 | 139 | 145 | 162 | 162 | 168 |
| b | 78 | 84 | 92 | 96 | 96 | 102 |
| K | 6-15 | 6-15 | 8-16 | 10-20 | 10-20 | 12-22 |
| SW | 38 | 38 | 42 | 50 | 50 | 50 |
| Weight [g/each] | 156 | 185 | 215 | 266 | 285 | 323 |

Connector

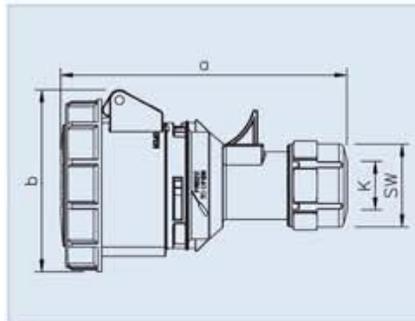
watertight IP67

- screw terminals
- quick release locking system (turn2fix)

All connectors are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. K31V15.



| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | K31S15 | K31S25 | K31S35 | | K31S55 | K31S85 | K31S95 | 10 |
| 16 | 4 | K41S15 | K41S25 | K41S35 | K41S45 | K41S55 | K41S85 | K41S95 | 10 |
| 16 | 5 | K51S15 | K51S25 | K51S35 | | K51S55 | K51S85 | K51S95 | 10 |
| 32 | 3 | K32S15 | K32S25 | K32S35 | | K32S55 | K32S85 | K32S95 | 10 |
| 32 | 4 | K42S15 | K42S25 | K42S35 | K42S45 | K42S55 | K42S85 | K42S95 | 10 |
| 32 | 5 | K52S15 | K52S25 | K52S35 | | K52S55 | K52S85 | K52S95 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|-------|-------|-------|
| Ampere | 16 | | | 32 | | |
| a | 133 | 139 | 145 | 162 | 162 | 168 |
| b | 78 | 84 | 92 | 96 | 96 | 102 |
| K | 6-15 | 6-15 | 8-16 | 10-20 | 10-20 | 12-22 |
| SW | 38 | 38 | 42 | 50 | 50 | 50 |
| Weight [g/each] | 161 | 192 | 227 | 273 | 292 | 330 |

Connector

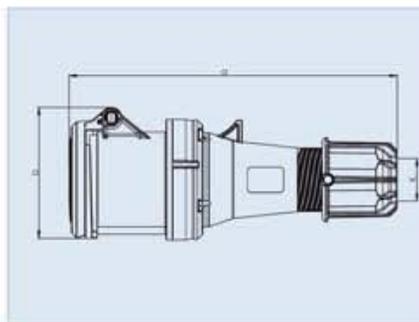
watertight IP67

- screwless connection technology (plug2power)
- quick release locking system (turn2fix)

All connectors are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. K31VL15.



| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | K31SL15 | K31SL25 | K31SL35 | K31SL55 | K31SL85 | K31SL95 | 10 |
| 16 | 4 | K41SL15 | K41SL25 | K41SL35 | K41SL55 | K41SL85 | K41SL95 | 10 |
| 16 | 5 | K51SL15 | K51SL25 | K51SL35 | K51SL55 | K51SL85 | K51SL95 | 10 |
| 32 | 3 | K32SL15 | K32SL25 | K32SL35 | K32SL55 | K32SL85 | K32SL95 | 10 |
| 32 | 4 | K42SL15 | K42SL25 | K42SL35 | K42SL55 | K42SL85 | K42SL95 | 10 |
| 32 | 5 | K52SL15 | K52SL25 | K52SL35 | K52SL55 | K52SL85 | K52SL95 | 10 |



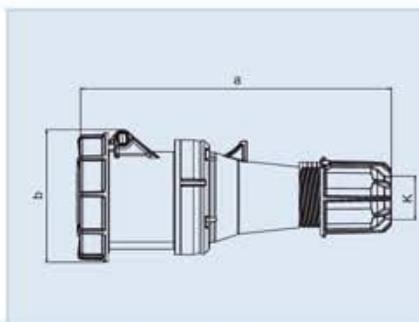
| | | | |
|-----------------|---------|---------|---------|
| Poles | 3 | 4 | 5 |
| Ampere | 63 | | |
| a | 269 | 269 | 269 |
| b | 107 | 107 | 107 |
| K | 14,5-36 | 14,5-36 | 14,5-36 |
| Weight [g/each] | 626 | 677 | 727 |

Connector

splash-proof IP44

- HighPower version
- with pilot contact
- screw terminals

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | K33S10 | K33S20 | K33S30 | | K33S50 | K33S80 | K33S90 | 2 |
| 63 | 4 | K43S10 | K43S20 | K43S30 | K43S40 | K43S50 | K43S80 | K43S90 | 2 |
| 63 | 5 | K53S10 | K53S20 | K53S30 | | K53S50 | K53S80 | K53S90 | 2 |



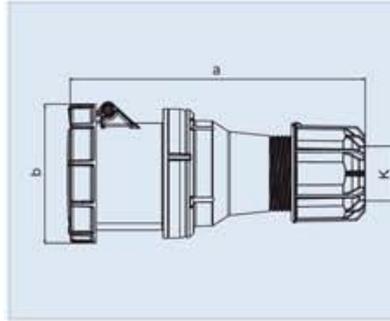
| | | | |
|-----------------|---------|---------|---------|
| Poles | 3 | 4 | 5 |
| Ampere | 63 | | |
| a | 269 | 269 | 269 |
| b | 114 | 114 | 114 |
| K | 14,5-36 | 14,5-36 | 14,5-36 |
| Weight [g/each] | 669 | 720 | 770 |

Connector

watertight IP67

- HighPower version
- with pilot contact
- screw terminals

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | K33S15 | K33S25 | K33S35 | | K33S55 | K33S85 | K33S95 | 2 |
| 63 | 4 | K43S15 | K43S25 | K43S35 | K43S45 | K43S55 | K43S85 | K43S95 | 2 |
| 63 | 5 | K53S15 | K53S25 | K53S35 | | K53S55 | K53S85 | K53S95 | 2 |



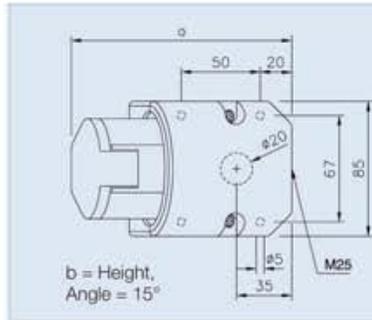
| | | | |
|-----------------|---------|---------|---------|
| Poles | 3 | 4 | 5 |
| Ampere | 125 | | |
| a | 287 | 287 | 287 |
| b | 124 | 124 | 124 |
| K | 22,5-50 | 22,5-50 | 22,5-50 |
| Weight [g/each] | 1054 | 1158 | 1250 |

Connector

watertight IP67

- HighPower version
- with pilot contact
- screw terminals

| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|---------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 125 | 3 | K34S15 | K34S25 | K34S35 | | K34S55 | K34S85 | K34S95 | 2 |
| 125 | 4 | K44S15 | K44S25 | K44S35 | K44S45 | K44S55 | K44S85 | K44S95 | 2 |
| 125 | 5 | K54S15 | K54S25 | K54S35 | | K54S55 | K54S85 | K54S95 | 2 |



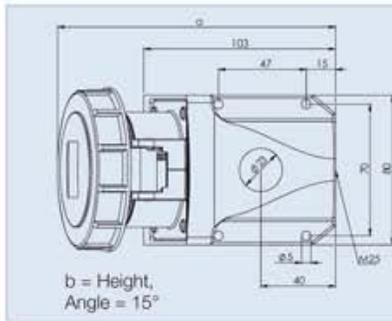
| | | | | | | |
|------------------------|-----------|----------|----------|-----------|----------|----------|
| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| Ampere | 16 | | | 32 | | |
| a | 140 | 141 | 139 | 152 | 152 | 153 |
| b | 89 | 92 | 97 | 100 | 100 | 105 |
| M | 25 | 25 | 25 | 25 | 25 | 25 |
| Weight [g/each] | 228 | 248 | 258 | 279 | 295 | 324 |

Wall-mounted socket outlet
splash-proof IP44

- screw terminals
- cable entry from above or behind including self-sealing grommet

All wall-mounted socket outlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. D31V11.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | D31S11 | D31S21 | D31S31 | D31S51 | D31S81 | D31S91 | 10 |
| 16 | 4 | D41S11 | D41S21 | D41S31 | D41S51 | D41S81 | D41S91 | 10 |
| 16 | 5 | D51S11 | D51S21 | D51S31 | D51S51 | D51S81 | D51S91 | 10 |
| 32 | 3 | D32S11 | D32S21 | D32S31 | D32S51 | D32S81 | D32S91 | 10 |
| 32 | 4 | D42S11 | D42S21 | D42S31 | D42S51 | D42S81 | D42S91 | 10 |
| 32 | 5 | D52S11 | D52S21 | D52S31 | D52S51 | D52S81 | D52S91 | 10 |



| | | | | | | |
|------------------------|-----------|----------|----------|-----------|----------|----------|
| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| Ampere | 16 | | | 32 | | |
| a | 147 | 149 | 150 | 161 | 161 | 162 |
| b | 96 | 99 | 102 | 108 | 108 | 110 |
| M | 25 | 25 | 25 | 25 | 25 | 25 |
| Weight [g/each] | 231 | 252 | 276 | 316 | 320 | 256 |

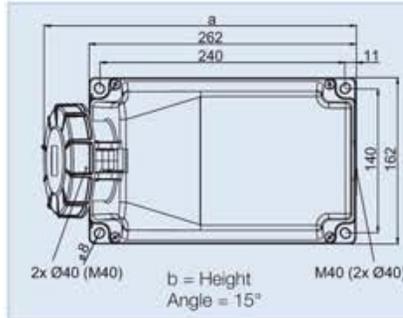
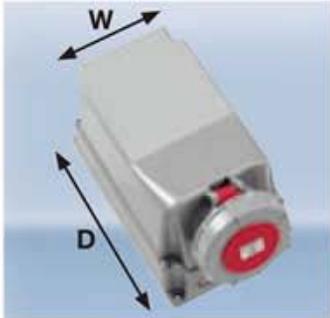
Wall-mounted socket outlet
watertight IP67

- screw terminals
- cable entry above, below or behind
- blank cable gland

All wall-mounted socket outlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. D31V15.

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | D31S15 | D31S25 | D31S35 | | D31S55 | D31S85 | D31S95 | 5 |
| 16 | 4 | D41S15 | D41S25 | D41S35 | D41S45 | D41S55 | D41S85 | D41S95 | 5 |
| 16 | 5 | D51S15 | D51S25 | D51S35 | | D51S55 | D51S85 | D51S95 | 5 |
| 32 | 3 | D32S15 | D32S25 | D32S35 | | D32S55 | D32S85 | D32S95 | 5 |
| 32 | 4 | D42S15 | D42S25 | D42S35 | D42S45 | D42S55 | D42S85 | D42S95 | 5 |
| 32 | 5 | D52S15 | D52S25 | D52S35 | | D52S55 | D52S85 | D52S95 | 5 |

according to IEC 60309, EN 60309, VDE 0623



| | | | |
|------------------------|-----------|----------|----------|
| Poles | 3 | 4 | 5 |
| Ampere | 63 | | |
| a | 306 | 306 | 306 |
| b | 195 | 195 | 195 |
| Weight [g/each] | 1354 | 1403 | 1459 |

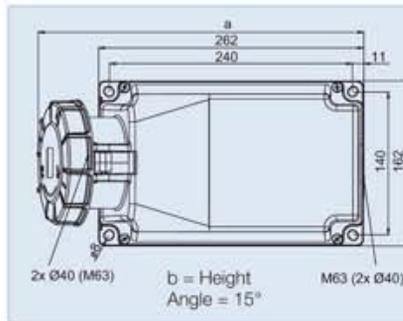
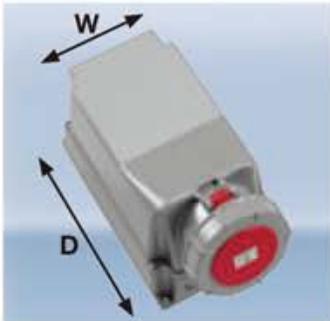
Wall-mounted socket outlet
watertight IP67

Basic housing W x H x D =
160 x 260 x 190 mm
1 x M40 above, 2 x Ø40 below

- HighPower version
- with pilot contact
- screw terminals
- cable entry above, below or behind
- housing can be rotated 180°

splash-proof IP44
upon request

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 63 | 3 | D33S17 | D33S27 | D33S37 | | D33S57 | D33S87 | D33S97 | 2 |
| 63 | 4 | D43S17 | D43S27 | D43S37 | D43S47 | D43S57 | D43S87 | D43S97 | 2 |
| 63 | 5 | D53S17 | D53S27 | D53S37 | | D53S57 | D53S87 | D53S97 | 2 |



| | | | |
|------------------------|------------|----------|----------|
| Poles | 3 | 4 | 5 |
| Ampere | 125 | | |
| a | 322 | 322 | 322 |
| b | 205 | 205 | 205 |
| Weight [g/each] | 1850 | 1900 | 1950 |

Wall-mounted socket outlet
watertight IP67

* Basic housing W x H x D =
160 x 201 x 260 mm
1 x Ø50 above, 2 x Ø40 below

** Basic housing W x H x D =
160 x 201 x 260 mm
1 x M63 above, 2 x Ø40 below

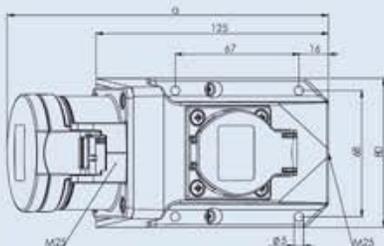
- HighPower version
- with pilot contact
- screw terminals
- cable entry above, below or behind
- housing can be rotated 180°

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 125 * | 3 | D34S17 | D34S27 | D34S37 | | D34S57 | D34S87 | D34S97 | 1 |
| 125 ** | 4 | D44S17 | D44S27 | D44S37 | D44S47 | D44S57 | D44S87 | D44S97 | 1 |
| 125 ** | 5 | D54S17 | D54S27 | D54S37 | | D54S57 | D54S87 | D54S97 | 1 |

CEE Combi-wall-mounted socket outlets

according to IEC 60309, EN 60309, VDE 0623



| | | | | | | | |
|--|---------------|-----------|----------|----------|-----------|----------|----------|
|  <p>b = Height, Angle = 15°</p> | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| a | 171 | 172 | 170 | 182 | 182 | 183 | |
| b | 127 | 130 | 135 | 135 | 135 | 144 | |
| M | 2 x 25 | 2 x 25 | 2 x 25 | 2 x 25 | 2 x 25 | 2 x 25 | |
| Weight [g/each] | 394 | 415 | 425 | 446 | 458 | 500 | |

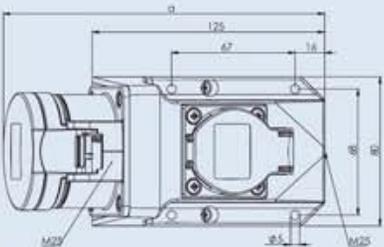
Combi-wall-mounted socket outlet

splash-proof IP44

- wall box with integrated SCHUKO socket outlet
- connecting terminals up to 10 mm²
- **wired**
- cable entry above, below or behind
- for 32 A: SCHUKO socket outlet fused, fuse (10 A delayed-tripping)
- including self-sealing grommet

| | | | | |
|--------------------|-------------------------------|-------------------------------|--------------------|---------------------|
| Voltage | 230 V~ | 400 V~ | | |
| Frequency | 50/60 Hz | 50/60 Hz | | |
| Designation | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Article no. | Packing unit |
| 16 | 3 | D31S231 | | 5 |
| 16 | 4 | D41S231 | D41S331 | 5 |
| 16 | 5 | | D51S331 | 5 |
| 32 | 3 | D32S231 | | 5 |
| 32 | 4 | D42S231 | D42S331 | 5 |
| 32 | 5 | | D52S331 | 5 |



| | | | | | | | |
|--|---------------|-----------|----------|----------|-----------|----------|----------|
|  <p>b = Height, Angle = 15°</p> | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| a | 171 | 172 | 170 | 182 | 182 | 183 | |
| b | 127 | 130 | 135 | 135 | 135 | 144 | |
| M | 2 x 25 | 2 x 25 | 2 x 25 | 2 x 25 | 2 x 25 | 2 x 25 | |
| Weight [g/each] | 384 | 405 | 415 | 446 | 458 | 500 | |

Combi-wall-mounted socket outlet

splash-proof IP44

- wall box with integrated SCHUKO socket outlet
- connecting terminals up to 10 mm²
- **not wired**
- cable entry above, below or behind
- including self-sealing grommet

| | | | | |
|--------------------|-------------------------------|-------------------------------|--------------------|---------------------|
| Voltage | 230 V~ | 400 V~ | | |
| Frequency | 50/60 Hz | 50/60 Hz | | |
| Designation | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Article no. | Packing unit |
| 16 | 3 | D31S232 | | 5 |
| 16 | 4 | D41S232 | D41S332 | 5 |
| 16 | 5 | | D51S332 | 5 |
| 32 | 3 | D32S232 | | 5 |
| 32 | 4 | D42S232 | D42S332 | 5 |
| 32 | 5 | | D52S332 | 5 |

Wherever different voltages need to be tapped at same spot, the CombiSwitch wall-mounted socket outlets are exactly the right solution – developed by professionals for practical use.

Technical data:

- large connection space
- housing made of impact-resistant plastic
- wired
- cable entry M25 from above, ø 25 mm behind
- external metal parts from stainless steel
- including self-sealing grommet
- can be locked in switched-off position with padlock (40 mm)
- ON/OFF switch AC 22A, 10 kA according to EN 60947-3
- switches all outlets



| | | | | | | | |
|--|------------------------|-----------|----------|----------|-----------|----------|----------|
| | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| | a | 208 | 209 | 207 | 211 | 211 | 212 |
| | Weight [g/each] | 675 | 695 | 705 | 755 | 780 | 805 |

**Wall-mounted socket outlet
CombiSwitch with panel-
mounted socket outlet, angled**
splash-proof IP44

- CEE 16 A 3p up to 32 A 5p

watertight IP67 upon request

| Ampere | Poles | Switch | Socket outlets/ Earthing system | Article no. | Packing unit |
|--------|-------|--------|------------------------------------|-------------|-----------------|
| 16 | 3 | 0 - 1 | 0 | D31S240 | 1 |
| 16 | 4 | 0 - 1 | 0 | D41S340 | 1 |
| 16 | 5 | 0 - 1 | 0 | D51S340 | 1 |
| 32 | 3 | 0 - 1 | 0 | D32S240 | 1 |
| 32 | 4 | 0 - 1 | 0 | D42S340 | 1 |
| 32 | 5 | 0 - 1 | 0 | D52S340 | 1 |

with reversing switch

| | | | | | |
|----|---|-----------|--|---------|---|
| 16 | 4 | L - 0 - R | | D41S341 | 1 |
| 16 | 5 | L - 0 - R | | D51S341 | 1 |
| 32 | 4 | L - 0 - R | | D42S341 | 1 |
| 32 | 5 | L - 0 - R | | D52S341 | 1 |

CEE Wall-mounted socket outlets CombiSwitch

according to IEC 60309, EN 60309, VDE 0623



| | | | | | | | |
|--|------------------------|-----------|----------|----------|-----------|----------|----------|
| | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| | a | 208 | 209 | 207 | 211 | 211 | 212 |
| | Weight [g/each] | 715 | 735 | 745 | 800 | 825 | 850 |

Wall-mounted socket outlet CombiSwitch with panel- mounted socket outlet, angled splash-proof IP44

- CEE 16 A 3p up to 32 A 5p with 1 SCHUKO socket outlet 16A 250V
- for the 32 A version; SCHUKO socket outlet fused with 10 A fuse

| Ampere | Poles | Switch | Socket outlets/ Earthing system | Article no. | Switch | Socket outlets/ Earthing system | Article no. | Packing unit |
|--------|-------|--------|------------------------------------|-------------|--------|------------------------------------|-------------|--------------|
| 16 | 3 | 0 - 1 | 1 / Schuko | D31S242 | 0 - 1 | 1 / CEE 7/V | D31S243 | 1 |
| 16 | 4 | 0 - 1 | 1 / Schuko | D41S342 | 0 - 1 | 1 / CEE 7/V | D41S343 | 1 |
| 16 | 5 | 0 - 1 | 1 / Schuko | D51S342 | 0 - 1 | 1 / CEE 7/V | D51S343 | 1 |
| 32 | 3 | 0 - 1 | 1 / Schuko | D32S242 | 0 - 1 | 1 / CEE 7/V | D32S243 | 1 |
| 32 | 4 | 0 - 1 | 1 / Schuko | D42S342 | 0 - 1 | 1 / CEE 7/V | D42S343 | 1 |
| 32 | 5 | 0 - 1 | 1 / Schuko | D52S342 | 0 - 1 | 1 / CEE 7/V | D52S343 | 1 |

upon request:

- versions with CEE 7/V, Danish, British and Swiss protective contact socket outlet
- version with reversing switch
- watertight IP67



| | | | | | | | |
|--|------------------------|-----------|----------|----------|-----------|----------|----------|
| | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| | a | 208 | 209 | 207 | 211 | 211 | 212 |
| | Weight [g/each] | 765 | 785 | 795 | 845 | 870 | 895 |

Wall-mounted socket outlet CombiSwitch with panel- mounted socket outlet, angled splash-proof IP44

- CEE 16 A 3p up to 32 A 5p with 2 SCHUKO socket outlets 16A 250V
- for the 32 A version; SCHUKO socket outlet fused with 10 A fuse

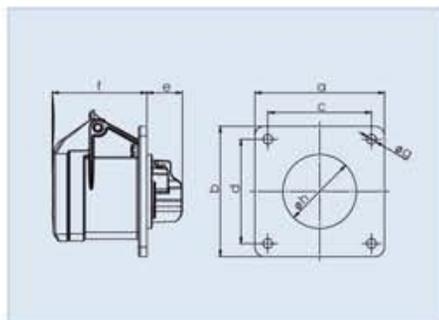
| Ampere | Poles | Switch | Socket outlets/ Earthing system | Article no. | Switch | Socket outlets/ Earthing system | Article no. | Packing unit |
|--------|-------|--------|------------------------------------|-------------|--------|------------------------------------|-------------|--------------|
| 16 | 3 | 0 - 1 | 2 / Schuko | D31S244 | 0 - 1 | 2 / CEE 7/V | D31S245 | 1 |
| 16 | 4 | 0 - 1 | 2 / Schuko | D41S344 | 0 - 1 | 2 / CEE 7/V | D41S345 | 1 |
| 16 | 5 | 0 - 1 | 2 / Schuko | D51S344 | 0 - 1 | 2 / CEE 7/V | D51S345 | 1 |
| 32 | 3 | 0 - 1 | 2 / Schuko | D32S244 | 0 - 1 | 2 / CEE 7/V | D32S245 | 1 |
| 32 | 4 | 0 - 1 | 2 / Schuko | D42S344 | 0 - 1 | 2 / CEE 7/V | D42S345 | 1 |
| 32 | 5 | 0 - 1 | 2 / Schuko | D52S344 | 0 - 1 | 2 / CEE 7/V | D52S345 | 1 |

upon request:

- versions with CEE 7/V, Danish, British and Swiss protective contact socket outlet
- version with reversing switch
- watertight IP67

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 75 | 75 | 75 | 75 | 75 | 75 |
| c and d | 60 | 60 | 60 | 60 | 60 | 60 |
| e | 21 | 21 | 21 | 23 | 23 | 23 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 117 | 132 | 141 | 168 | 185 | 217 |

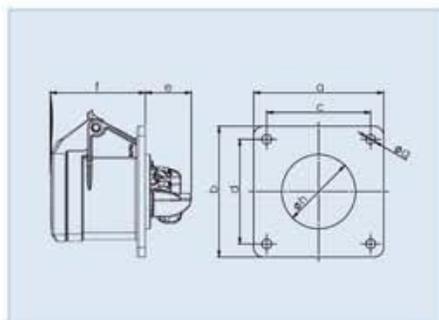
Panel-mounted socket outlet, straight

splash-proof IP44

- screw terminals
- suitable for cable ducts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V100.

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31S100 | F31S200 | F31S300 | | F31S500 | F31S800 | F31S900 | |
| 16 | 4 | F41S100 | F41S200 | F41S300 | F41S400 | F41S500 | F41S800 | F41S900 | 10 |
| 16 | 5 | F51S100 | F51S200 | F51S300 | | F51S500 | F51S800 | F51S900 | 10 |
| 32 | 3 | F32S100 | F32S200 | F32S300 | | F32S500 | F32S800 | F32S900 | 10 |
| 32 | 4 | F42S100 | F42S200 | F42S300 | F42S400 | F42S500 | F42S800 | F42S900 | 10 |
| 32 | 5 | F52S100 | F52S200 | F52S300 | | F52S500 | F52S800 | F52S900 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 75 | 75 | 75 | 75 | 75 | 75 |
| c and d | 60 | 60 | 60 | 60 | 60 | 60 |
| e | 27 | 27 | 27 | 27 | 27 | 27 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 116 | 131 | 138 | 156 | 173 | 200 |

Panel-mounted socket outlet, straight

splash-proof IP44

- screwless connection technology (plug2power)

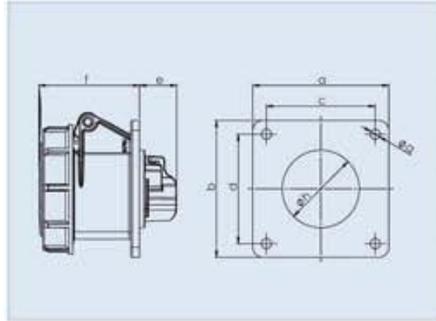
All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL11.



| Voltage | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31SL11 | F31SL21 | F31SL31 | F31SL51 | F31SL81 | F31SL91 | |
| 16 | 4 | F41SL11 | F41SL21 | F41SL31 | F41SL51 | F41SL81 | F41SL91 | 10 |
| 16 | 5 | F51SL11 | F51SL21 | F51SL31 | F51SL51 | F51SL81 | F51SL91 | 10 |
| 32 | 3 | F32SL11 | F32SL21 | F32SL31 | F32SL51 | F32SL81 | F32SL91 | 10 |
| 32 | 4 | F42SL11 | F42SL21 | F42SL31 | F42SL51 | F42SL81 | F42SL91 | 10 |
| 32 | 5 | F52SL11 | F52SL21 | F52SL31 | F52SL51 | F52SL81 | F52SL91 | 10 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 75 | 75 | 75 | 75 | 75 | 75 |
| c and d | 60 | 60 | 60 | 60 | 60 | 60 |
| e | 21 | 21 | 21 | 23 | 23 | 23 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 134 | 153 | 166 | 200 | 217 | 250 |

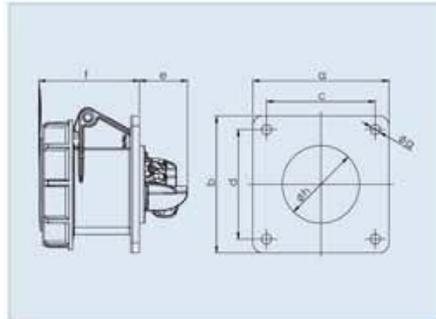
Panel-mounted socket outlet, straight

watertight IP67

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V150.

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31S150 | F31S250 | F31S350 | | F31S550 | F31S850 | F31S950 | 10 |
| 16 | 4 | F41S150 | F41S250 | F41S350 | F41S450 | F41S550 | F41S850 | F41S950 | 10 |
| 16 | 5 | F51S150 | F51S250 | F51S350 | | F51S550 | F51S850 | F51S950 | 10 |
| 32 | 3 | F32S150 | F32S250 | F32S350 | | F32S550 | F32S850 | F32S950 | 10 |
| 32 | 4 | F42S150 | F42S250 | F42S350 | F42S450 | F42S550 | F42S850 | F42S950 | 10 |
| 32 | 5 | F52S150 | F52S250 | F52S350 | | F52S550 | F52S850 | F52S950 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 75 | 75 | 75 | 75 | 75 | 75 |
| c and d | 60 | 60 | 60 | 60 | 60 | 60 |
| e | 27 | 27 | 27 | 27 | 27 | 27 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 133 | 152 | 163 | 188 | 204 | 233 |

Panel-mounted socket outlet, straight

watertight IP67

- screwless connection technology (plug2power)

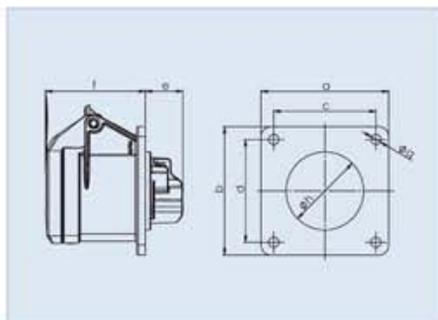
All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V16.



| Voltage | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31SL16 | F31SL26 | F31SL36 | F31SL56 | F31SL86 | F31SL96 | 10 |
| 16 | 4 | F41SL16 | F41SL26 | F41SL36 | F41SL56 | F41SL86 | F41SL96 | 10 |
| 16 | 5 | F51SL16 | F51SL26 | F51SL36 | F51SL56 | F51SL86 | F51SL96 | 10 |
| 32 | 3 | F32SL16 | F32SL26 | F32SL36 | F32SL56 | F32SL86 | F32SL96 | 10 |
| 32 | 4 | F42SL16 | F42SL26 | F42SL36 | F42SL56 | F42SL86 | F42SL96 | 10 |
| 32 | 5 | F52SL16 | F52SL26 | F52SL36 | F52SL56 | F52SL86 | F52SL96 | 10 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 70 | 70 | 70 | 70 | 70 | 70 |
| c and d | 56 | 56 | 56 | 56 | 56 | 56 |
| e | 21 | 21 | 21 | 23 | 23 | 23 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 113 | 128 | 150 | 164 | 181 | 213 |

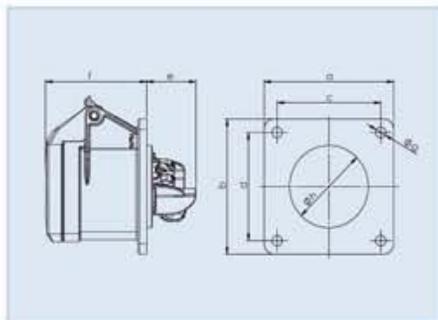
Panel-mounted socket outlet, straight

splash-proof IP44

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V101.

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31S101 | F31S201 | F31S301 | | F31S501 | F31S801 | F31S901 | |
| 16 | 4 | F41S101 | F41S201 | F41S301 | F41S401 | F41S501 | F41S801 | F41S901 | 10 |
| 16 | 5 | F51S101 | F51S201 | F51S301 | | F51S501 | F51S801 | F51S901 | 10 |
| 32 | 3 | F32S101 | F32S201 | F32S301 | | F32S501 | F32S801 | F32S901 | 10 |
| 32 | 4 | F42S101 | F42S201 | F42S301 | F42S401 | F42S501 | F42S801 | F42S901 | 10 |
| 32 | 5 | F52S101 | F52S201 | F52S301 | | F52S501 | F52S801 | F52S901 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 70 | 70 | 70 | 70 | 70 | 70 |
| c and d | 56 | 56 | 56 | 56 | 56 | 56 |
| e | 27 | 27 | 27 | 27 | 27 | 27 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 112 | 127 | 144 | 152 | 169 | 196 |

Panel-mounted socket outlet, straight

splash-proof IP44

- screwless connection technology (plug2power)

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL10.

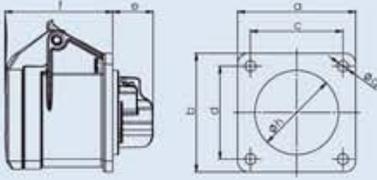


| Voltage | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31SL10 | F31SL20 | F31SL30 | F31SL50 | F31SL80 | F31SL90 | |
| 16 | 4 | F41SL10 | F41SL20 | F41SL30 | F41SL50 | F41SL80 | F41SL90 | 10 |
| 16 | 5 | F51SL10 | F51SL20 | F51SL30 | F51SL50 | F51SL80 | F51SL90 | 10 |
| 32 | 3 | F32SL10 | F32SL20 | F32SL30 | F32SL50 | F32SL80 | F32SL90 | 10 |
| 32 | 4 | F42SL10 | F42SL20 | F42SL30 | F42SL50 | F42SL80 | F42SL90 | 10 |
| 32 | 5 | F52SL10 | F52SL20 | F52SL30 | F52SL50 | F52SL80 | F52SL90 | 10 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| | | | |
|---|------------------------|-----------|----------|
|  | Poles | 3 | 4 |
| | Ampere | 16 | |
| | a and b | 60 | 60 |
| | c and d | 47 | 47 |
| | e | 21 | 21 |
| | f | 55 | 55 |
| | g | 5,5 | 5,5 |
| | h | 43 | 45 |
| | Weight [g/each] | 105 | 120 |

Panel-mounted socket outlet, straight

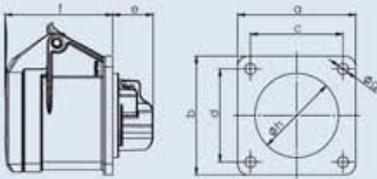
splash-proof IP44

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V102.

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31S102 | F31S202 | F31S302 | | F31S502 | F31S802 | F31S902 | 10 |
| 16 | 4 | F41S102 | F41S202 | F41S302 | F41S402 | F41S502 | F41S802 | F41S902 | 10 |



| | | | |
|---|------------------------|-----------|----------|
|  | Poles | 3 | 4 |
| | Ampere | 16 | |
| | a and b | 60 | 60 |
| | c and d | 47 | 47 |
| | e | 21 | 21 |
| | f | 55 | 55 |
| | g | 5,5 | 5,5 |
| | h | 43 | 45 |
| | Weight [g/each] | 105 | 120 |

Panel-mounted socket outlet, straight

splash-proof IP44

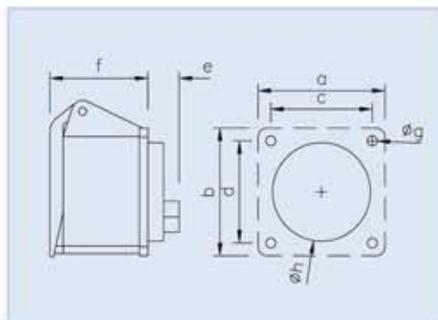
- screwless connection technology (plug2power)

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL12.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31SL12 | F31SL22 | F31SL32 | F31SL52 | F31SL82 | F31SL92 | 10 |
| 16 | 4 | F41SL12 | F41SL22 | F41SL32 | F41SL52 | F41SL82 | F41SL92 | 10 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| | |
|-----------------|-----|
| Poles | 5 |
| Ampere | 16 |
| Flange a | 65 |
| Flange b | 70 |
| Hole spacing c | 52 |
| Hole spacing d | 52 |
| e | 28 |
| f | 48 |
| g | 5,5 |
| h | 56 |
| Weight [g/each] | 148 |

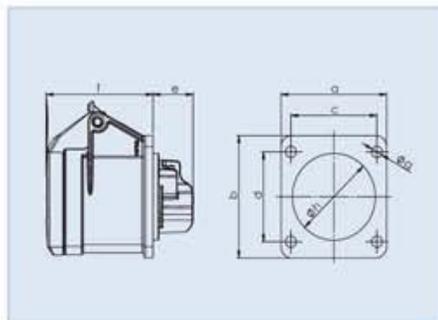
Panel-mounted socket outlet, straight

splash-proof IP44

- screw terminals
- especially suitable for mounting on cable rollers

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F51V103.

| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|----------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 5 | F51S103 | F51S203 | F51S303 | F51S503 | F51S803 | F51S903 | 10 |



| | | |
|-----------------|----------------|----------------|
| Poles | 3 ^a | 3 ^b |
| Ampere | 16 | |
| Flange a | 54 | 55 |
| Flange b | 60 | 55 |
| c and d | 44 | 44 |
| e | 21 | 28 |
| f | 55 | 46 |
| g | 5,5 | 4,5 |
| h | 43 | 43 |
| Weight [g/each] | 103 | 120 |

Panel-mounted socket outlet, straight

splash-proof IP44

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V104.

| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------------|-----------------------|-----------------------|----------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 ^a | F31S104 | F31S204 | F31S304 | F31S504 | F31S804 | F31S904 | 10 |
| 16 | 3 ^b | F31S103 | F31S203 | F31S303 | F31S503 | F31S803 | F31S903 | 10 |

^a with flange 60 x 54 mm
^b with flange 55 x 55 mm

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| | | | | |
|--|------------------------|----------------------|----------------------|----------------------|
| | Poles | 3^a | 3^b | 3^c |
| | Ampere | | 16 | |
| | Flange a | 54 | 60 | 70 |
| | Flange b | 60 | 60 | 70 |
| | Hole spacing c | 44 | 47 | 56 |
| | Hole spacing d | 44 | 47 | 56 |
| | e | 21 | 21 | 21 |
| | f | 55 | 55 | 55 |
| | g | 5,5 | 5,5 | 5,5 |
| | h | 43 | 43 | 43 |
| | Weight [g/each] | 105 | 107 | 115 |

Panel-mounted socket outlet, straight

watertight IP67

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V154.

- ^a with flange 60 x 54 mm
- ^b with flange 60 x 60 mm
- ^c with flange 70 x 70 mm

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|----------------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 ^a | F31S154 | F31S254 | F31S354 | F31S554 | F31S854 | F31S954 | 10 |
| 16 | 3 ^b | F31S152 | F31S252 | F31S352 | F31S552 | F31S852 | F31S952 | 10 |
| 16 | 3 ^c | F31S151 | F31S251 | F31S351 | F31S551 | F31S851 | F31S951 | 10 |



| | | | | |
|--|------------------------|----------------------|----------------------|----------------------|
| | Poles | 3^a | 3^b | 3^c |
| | Ampere | | 16 | |
| | Flange a | 54 | 60 | 70 |
| | Flange b | 60 | 60 | 70 |
| | Hole spacing c | 44 | 47 | 56 |
| | Hole spacing d | 44 | 47 | 56 |
| | e | 21 | 21 | 21 |
| | f | 55 | 55 | 55 |
| | g | 5,5 | 5,5 | 5,5 |
| | h | 43 | 43 | 43 |
| | Weight [g/each] | 105 | 107 | 115 |

Panel-mounted socket outlet, straight

watertight IP67

- screwless connection technology (plug2power)

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL15.

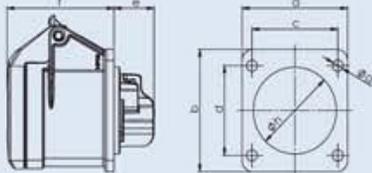
- ^a with flange 60 x 54 mm
- ^b with flange 60 x 60 mm
- ^c with flange 70 x 70 mm

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|----------------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 ^a | F31SL15 | F31SL25 | F31SL35 | F31SL55 | F31SL85 | F31SL95 | 10 |
| 16 | 3 ^b | F31SL17 | F31SL27 | F31SL37 | F31SL57 | F31SL87 | F31SL97 | 10 |
| 16 | 3 ^c | F31SL19 | F31SL29 | F31SL39 | F31SL59 | F31SL89 | F31SL99 | 10 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| | | | |
|---|------------------------|----------------------|----------------------|
|  | Poles | 3^a | 3^b |
| | Ampere | 16 | |
| | Flange a | 54 | 55 |
| | Flange b | 60 | 55 |
| | c and d | 44 | 44 |
| | e | 21 | 28 |
| | f | 55 | 46 |
| | g | 5,5 | 4,5 |
| | h | 43 | 43 |
| | Weight [g/each] | 103 | 120 |

Panel-mounted socket outlet, straight

splash-proof IP44

- screwless connection technology (plug2power)

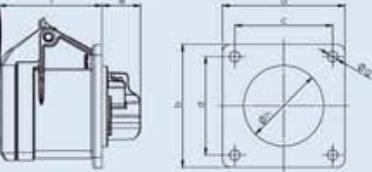
All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL14.

- ^a with flange 60 x 54 mm
- ^b with flange 55 x 55 mm



| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 ^a | F31SL14 | F31SL24 | F31SL34 | F31SL54 | F31SL84 | F31SL94 | 10 |
| 16 | 3 ^b | F31SL1B | F31SL2B | F31SL3B | F31SL5B | F31SL8B | F31SL9B | 10 |



| | | | |
|---|------------------------|-----------|----------|
|  | Poles | 3 | 4 |
| | Ampere | 16 | |
| | a and b | 65 | 65 |
| | c and d | 52 | 52 |
| | e | 21 | 21 |
| | f | 55 | 55 |
| | g | 5,5 | 5,5 |
| | h | 43 | 45 |
| | Weight [g/each] | 109 | 124 |

Panel-mounted socket outlet, straight

splash-proof IP44

- screw terminals

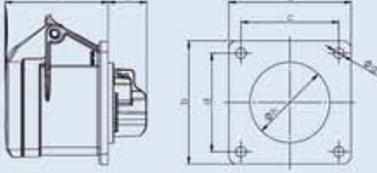
All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V105.

| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31S105 | F31S205 | F31S305 | F31S505 | F31S805 | F31S905 | 10 |
| 16 | 4 | F41S105 | F41S205 | F41S305 | F41S405 | F41S805 | F41S905 | 10 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| | | |
|---|------------------------|-----------|
|  | Poles | 3 |
| | Ampere | 16 |
| | a and b | 65 |
| | c and d | 52 |
| | e | 21 |
| | f | 55 |
| | g | 5,5 |
| | h | 43 |
| | Weight [g/each] | 109 |

Panel-mounted socket outlet, straight

splash-proof IP44

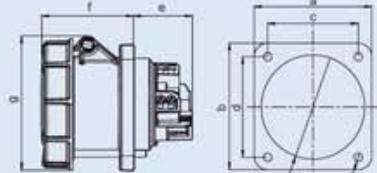
- screwless connection technology (plug2power)

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL1K.



| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | F31SL1K | F31SL2K | F31SL3K | F31SL5K | F31SL8K | F31SL9K | 10 |



| | | | | | | | |
|---|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|  | Poles | 3^a | 4^a | 5^a | 3^b | 4^b | 5^b |
| | Ampere | 63 | | | | | |
| | Flange a | 100 | 100 | 100 | 100 | 100 | 100 |
| | Flange b | 100 | 100 | 100 | 107 | 107 | 107 |
| | Hole spacing c | 80 | 80 | 80 | 77 | 77 | 77 |
| | Hole spacing d | 80 | 80 | 80 | 85 | 85 | 85 |
| | e | 50 | 50 | 50 | 50 | 50 | 50 |
| | f | 80 | 80 | 80 | 80 | 80 | 80 |
| | g | 114 | 114 | 114 | 114 | 114 | 114 |
| | h | 85 | 85 | 85 | 85 | 85 | 85 |
| | i | 7 | 7 | 7 | 7 | 7 | 7 |
| | Weight [g/each] | 490 | 522 | 668 | 496 | 528 | 674 |

Panel-mounted socket outlet, straight

watertight IP67

- HighPower version
- with pilot contact
- screw terminals

^a with flange 100 x 100 mm

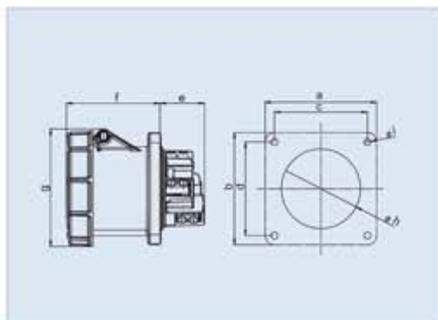
^b with flange 107 x 100 mm

splash-proof IP44 upon request

| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------------|-----------------------|-----------------------|----------------|-------------|-------------|-------------|--------------|---|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 357-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 63 | 3 ^a | F33S157 | F33S257 | F33S357 | | F33S557 | F33S857 | F33S957 | 2 |
| 63 | 4 ^a | F43S157 | F43S257 | F43S357 | F43S457 | F43S557 | F43S857 | F43S957 | 2 |
| 63 | 5 ^a | F53S157 | F53S257 | F53S357 | | F53S557 | F53S857 | F53S957 | 2 |
| 63 | 3 ^b | F33S156 | F33S256 | F33S356 | | F33S556 | F33S856 | F33S956 | 2 |
| 63 | 4 ^b | F43S156 | F43S256 | F43S356 | F43S456 | F43S556 | F43S856 | F43S956 | 2 |
| 63 | 5 ^b | F53S156 | F53S256 | F53S356 | | F53S556 | F53S856 | F53S956 | 2 |

CEE Panel-mounted socket outlets, straight

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 |
|-----------------|-----|-----|-----|
| Ampere | 125 | | |
| a and b | 120 | 120 | 120 |
| c and d | 100 | 100 | 100 |
| e | 48 | 48 | 48 |
| f | 101 | 101 | 101 |
| g | 126 | 126 | 126 |
| h | 90 | 90 | 90 |
| i | 8 | 8 | 8 |
| Weight [g/each] | 743 | 879 | 974 |

Panel-mounted socket outlet, straight

watertight IP67

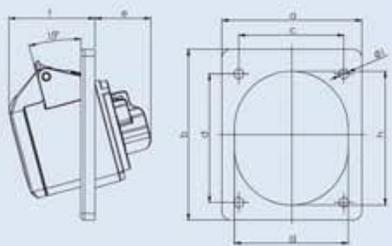
- HighPower version
- with pilot contact
- screw terminals

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 125 | 3 | F34S157 | F34S257 | F34S357 | | F34S557 | F34S857 | F34S957 | | 2 |
| 125 | 4 | F44S157 | F44S257 | F44S357 | F44S457 | F44S557 | F44S857 | F44S957 | | 2 |
| 125 | 5 | F54S157 | F54S257 | F54S357 | | F54S557 | F54S857 | F54S957 | | 2 |

CEE Panel-mounted socket outlets, angled

according to IEC 60309, EN 60309, VDE 0623



| | | | |
|---|-----------------------|-----------|----------|
|  | Poles | 3 | 4 |
| | Ampere | 16 | |
| | Flange a | 80 | 80 |
| | Flange b | 97 | 97 |
| | Hole spacing c | 60 | 60 |
| | Hole spacing d | 73 | 73 |
| | e | 30 | 33 |
| | f | 49 | 49 |
| | g | 70 | 70 |
| | h | 77 | 77 |
| | i | 5,5 | 5,5 |
| Weight [g/each] | 116 | 136 | |

Panel-mounted socket outlet, angled 15°

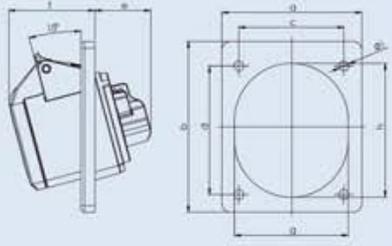
splash-proof IP44

- screw terminals
- in three parts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V131.

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31S131 | F31S231 | F31S331 | | F31S531 | F31S831 | F31S931 | 10 |
| 16 | 4 | F41S131 | F41S231 | F41S331 | F41S431 | F41S531 | F41S831 | F41S931 | 10 |



| | | | | | | | |
|---|-----------------------|-----------|----------|-----------|----------|----------|----------|
|  | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | 32 | | | |
| | Flange a | 80 | 80 | 80 | 80 | 80 | 80 |
| | Flange b | 97 | 97 | 97 | 97 | 97 | 97 |
| | Hole spacing c | 60 | 60 | 60 | 60 | 60 | 60 |
| | Hole spacing d | 73 | 73 | 73 | 73 | 73 | 73 |
| | e | 30 | 33 | 41 | 48 | 48 | 48 |
| | f | 49 | 49 | 48 | 50 | 50 | 52 |
| | g | 70 | 70 | 65 | 65 | 65 | 70 |
| | h | 77 | 77 | 76 | 75 | 75 | 80 |
| | i | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| Weight [g/each] | 116 | 136 | 138 | 186 | 210 | 233 | |

Panel-mounted socket outlet, angled 15°

splash-proof IP44

- screwless connection technology (plug2power)
- in three parts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL1C.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F31SL1C | F31SL2C | F31SL3C | F31SL5C | F31SL8C | F31SL9C | 10 |
| 16 | 4 | F41SL1C | F41SL2C | F41SL3C | F41SL5C | F41SL8C | F41SL9C | 10 |
| 16 | 5 | F51SL1C | F51SL2C | F51SL3C | F51SL5C | F51SL8C | F51SL9C | 10 |
| 32 | 3 | F32SL1C | F32SL2C | F32SL3C | F32SL5C | F32SL8C | F32SL9C | 10 |
| 32 | 4 | F42SL1C | F42SL2C | F42SL3C | F42SL5C | F42SL8C | F42SL9C | 10 |
| 32 | 5 | F52SL1C | F52SL2C | F52SL3C | F52SL5C | F52SL8C | F52SL9C | 10 |



CEE Panel-mounted socket outlets, angled

according to IEC 60309, EN 60309, VDE 0623



| | | | | | | | |
|--|------------------------|-----------|----------|----------|-----------|----------|----------|
| | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| | Flange a | 70 | 70 | 80 | 80 | 80 | 80 |
| | Flange b | 85 | 85 | 97 | 97 | 97 | 97 |
| | Hole spacing c | 50 | 50 | 60 | 60 | 60 | 60 |
| | Hole spacing d | 65 | 65 | 73 | 73 | 73 | 73 |
| | e | 38 | 38 | 39 | 51 | 51 | 51 |
| | f | 49 | 50 | 54 | 60 | 60 | 61 |
| | g | 51 | 56 | 65 | 65 | 65 | 70 |
| | h | 61 | 67 | 76 | 75 | 75 | 80 |
| | i | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| | Weight [g/each] | 124 | 141 | 168 | 224 | 248 | 278 |

Panel-mounted socket outlet, angled 20°

watertight IP67

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V170.

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | F31S170 | F31S270 | F31S370 | | F31S570 | F31S870 | F31S970 | 10 |
| 16 | 4 | F41S170 | F41S270 | F41S370 | F41S470 | F41S570 | F41S870 | F41S970 | 10 |
| 16 | 5 | F51S170 | F51S270 | F51S370 | | F51S570 | F51S870 | F51S970 | 10 |
| 32 | 3 | F32S170 | F32S270 | F32S370 | | F32S570 | F32S870 | F32S970 | 10 |
| 32 | 4 | F42S170 | F42S270 | F42S370 | F42S470 | F42S570 | F42S870 | F42S970 | 10 |
| 32 | 5 | F52S170 | F52S270 | F52S370 | | F52S570 | F52S870 | F52S970 | 10 |



| | | | |
|--|------------------------|-----------|----------|
| | Poles | 3 | 4 |
| | Ampere | 16 | |
| | Flange a | 70 | 70 |
| | Flange b | 85 | 85 |
| | Hole spacing c | 50 | 50 |
| | Hole spacing d | 65 | 65 |
| | e | 38 | 38 |
| | f | 49 | 50 |
| | g | 51 | 56 |
| | h | 61 | 67 |
| | i | 5,5 | 5,5 |
| | Weight [g/each] | 124 | 141 |

Panel-mounted socket outlet, angled 20°

watertight IP67

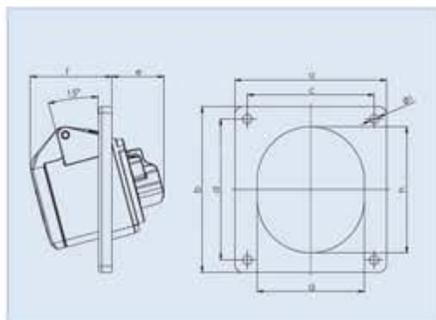
- screwless connection technology (plug2power)

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL18.

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | F31SL18 | F31SL28 | F31SL38 | F31SL58 | F31SL88 | F31SL98 | 10 |
| 16 | 4 | F41SL18 | F41SL28 | F41SL38 | F41SL58 | F41SL88 | F41SL98 | 10 |

CEE Panel-mounted socket outlets, angled

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 3 | 4 |
|-----------------|-----|-----|-----|-----|
| Ampere | 16 | | 32 | |
| Flange a | 92 | 92 | 92 | 92 |
| Flange b | 100 | 100 | 100 | 100 |
| Hole spacing c | 77 | 77 | 77 | 77 |
| Hole spacing d | 85 | 85 | 85 | 85 |
| e | 30 | 33 | 38 | 38 |
| f | 49 | 49 | 59 | 59 |
| g | 70 | 70 | 77 | 77 |
| h | 77 | 77 | 88 | 88 |
| i | 5,5 | 5,5 | 5,5 | 5,5 |
| Weight [g/each] | 121 | 141 | 195 | 219 |

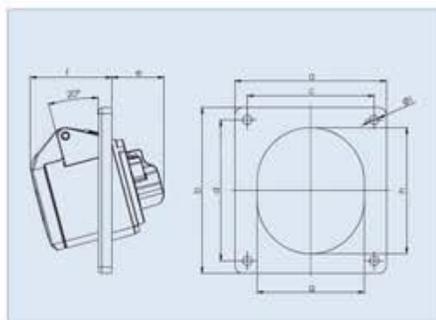
Panel-mounted socket outlet, angled 15°

splash-proof IP44

- screw terminals
- in three parts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V133.

| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | F31S133 | F31S233 | F31S333 | | F31S533 | F31S833 | F31S933 | 10 |
| 16 | 4 | F41S133 | F41S233 | F41S333 | F41S433 | F41S533 | F41S833 | F41S933 | 10 |
| 32 | 3 | F32S133 | F32S233 | F32S333 | | F32S533 | F32S833 | F32S933 | 10 |
| 32 | 4 | F42S133 | F42S233 | F42S333 | F42S433 | F42S533 | F42S833 | F42S933 | 10 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|-----|-----|-----|-----|-----|-----|
| Ampere | 16 | | 32 | | | |
| Flange a | 92 | 92 | 92 | 92 | 92 | 92 |
| Flange b | 100 | 100 | 100 | 100 | 100 | 100 |
| Hole spacing c | 77 | 77 | 77 | 77 | 77 | 77 |
| Hole spacing d | 85 | 85 | 85 | 85 | 85 | 85 |
| e | 30 | 33 | 38 | 38 | 38 | 45 |
| f | 49 | 49 | 49 | 59 | 59 | 59 |
| g | 70 | 70 | 70 | 77 | 77 | 77 |
| h | 77 | 77 | 77 | 88 | 88 | 88 |
| i | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| Weight [g/each] | 121 | 141 | 169 | 195 | 219 | 230 |

Panel-mounted socket outlet, angled 20°

splash-proof IP44

- screwless connection technology (plug2power)
- in three parts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL1F.



| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|----|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | F31SL1F | F31SL2F | F31SL3F | F31SL5F | F31SL8F | F31SL9F | 10 |
| 16 | 4 | F41SL1F | F41SL2F | F41SL3F | F41SL5F | F41SL8F | F41SL9F | 10 |
| 16 | 5 | F51SL1F | F51SL2F | F51SL3F | F51SL5F | F51SL8F | F51SL9F | 10 |
| 32 | 3 | F32SL1F | F32SL2F | F32SL3F | F32SL5F | F32SL8F | F32SL9F | 10 |
| 32 | 4 | F42SL1F | F42SL2F | F42SL3F | F42SL5F | F42SL8F | F42SL9F | 10 |
| 32 | 5 | F52SL1F | F52SL2F | F52SL3F | F52SL5F | F52SL8F | F52SL9F | 10 |

CEE Panel-mounted socket outlets, angled

according to IEC 60309, EN 60309, VDE 0623



Panel-mounted socket outlet, angled 15°

watertight IP67

- screw terminals
- in three parts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V181.

| | | | | |
|--|--|------------------------|-----------|----------|
| | | Poles | 3 | 4 |
| | | Ampere | 16 | |
| | | Flange a | 80 | 80 |
| | | Flange b | 97 | 97 |
| | | Hole spacing c | 60 | 60 |
| | | Hole spacing d | 73 | 73 |
| | | e | 30 | 33 |
| | | f | 54 | 54 |
| | | g | 70 | 70 |
| | | h | 77 | 77 |
| | | i | 5,5 | 5,5 |
| | | Weight [g/each] | 157 | 174 |

| | | | | | | | | |
|--------------------|-----------------|-------------------------------|-------------------------------|-----------------|-----------------|----------------------|----------------------|---------------------|
| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | 10h | 2h | |
| Ampere | 16 | 16 | 16 | 16 | 16 | 16 | 16 | Packing unit |
| Poles | 3 | 4 | 4 | 4 | 3 | 4 | 4 | |
| Article no. | F31S181 | F31S281 | F31S381 | F41S481 | F31S581 | F31S881 | F31S981 | 10 |
| Article no. | F41S181 | F41S281 | F41S381 | | F41S581 | F41S881 | F41S981 | 10 |



Panel-mounted socket outlet, angled 20°

watertight IP67

- screwless connection technology (plug2power)
- in three parts

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31VL1D.

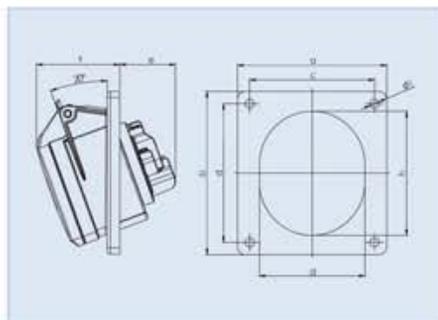
| | | | | | | | | |
|--|--|------------------------|-----------|----------|----------|-----------|----------|----------|
| | | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | | Ampere | 16 | | | 32 | | |
| | | Flange a | 80 | 80 | 80 | 80 | 80 | 80 |
| | | Flange b | 97 | 97 | 97 | 97 | 97 | 97 |
| | | Hole spacing c | 60 | 60 | 60 | 60 | 60 | 60 |
| | | Hole spacing d | 73 | 73 | 73 | 73 | 73 | 73 |
| | | e | 30 | 33 | 39 | 51 | 51 | 51 |
| | | f | 54 | 54 | 54 | 60 | 60 | 61 |
| | | g | 70 | 70 | 65 | 65 | 65 | 70 |
| | | h | 77 | 77 | 76 | 75 | 75 | 80 |
| | | i | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| | | Weight [g/each] | 157 | 174 | 168 | 224 | 248 | 278 |

| | | | | | | | |
|--------------------|-----------------|-------------------------------|-------------------------------|-----------------|----------------------|----------------------|---------------------|
| Voltage | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | 16 | 16 | 16 | 16 | 16 | 16 | Packing unit |
| Poles | 3 | 4 | 4 | 4 | 3 | 4 | |
| Article no. | F31SL1D | F31SL2D | F31SL3D | F32SL5D | F31SL8D | F31SL9D | 10 |
| Article no. | F41SL1D | F41SL2D | F41SL3D | F42SL5D | F41SL8D | F41SL9D | 10 |
| Article no. | F51SL1D | F51SL2D | F51SL3D | F52SL5D | F51SL8D | F51SL9D | 10 |
| Article no. | F32SL1D | F32SL2D | F32SL3D | F32SL5D | F32SL8D | F32SL9D | 10 |
| Article no. | F42SL1D | F42SL2D | F42SL3D | F42SL5D | F42SL8D | F42SL9D | 10 |
| Article no. | F52SL1D | F52SL2D | F52SL3D | F52SL5D | F52SL8D | F52SL9D | 10 |



CEE Panel-mounted socket outlets, angled

according to IEC 60309, EN 60309, VDE 0623



| | | |
|-----------------|-----|-----|
| Poles | 5 | 5 |
| Ampere | 16 | 32 |
| Flange a | 92 | 92 |
| Flange b | 100 | 100 |
| Hole spacing c | 77 | 77 |
| Hole spacing d | 85 | 85 |
| e | 36 | 41 |
| f | 49 | 59 |
| g | 70 | 77 |
| h | 77 | 88 |
| i | 5,5 | 5,5 |
| Weight [g/each] | 175 | 247 |

Panel-mounted socket outlet, angled 20°

splash-proof IP44

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F51V133.

| | | 110 V~ | 230 V~ | 400 V~ | 500 V~ | >50-500 V~ | >50-500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 100-300 Hz | 301-500 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 7h | 10h | 2h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 5 | F51S133 | F51S233 | F51S333 | F51S533 | F51S833 | F51S933 | 10 |
| 32 | 5 | F52S133 | F52S233 | F52S333 | F52S533 | F52S833 | F52S933 | 10 |

CEE Surface-mounted socket outlet

according to IEC 60309, EN 60309, VDE 0623



| | | | | | | | |
|--|------------------------|-----------|----------|----------|-----------|----------|----------|
| | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | Ampere | 16 | | | 32 | | |
| | a and b | 75 | 75 | 75 | 75 | 75 | 75 |
| | c and d | 60 | 60 | 60 | 60 | 60 | 60 |
| | e | 105 | 105 | 105 | 115 | 115 | 115 |
| | f | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 | 3,3 |
| | Weight [g/each] | 190 | 205 | 220 | 260 | 270 | 295 |

Surface-mounted socket outlet, complete with appliance inlet
splash-proof IP44

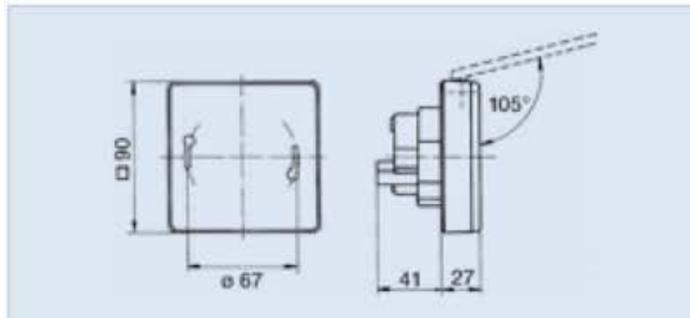
- screw terminals
- suitable for appliance inlets, straight, 16 and 32 A
- with 2,4 or without self-sealing grommets

32 A and special clock face positions upon request

| Voltage | | 230 V~ | 400 V~ | Number of the self-sealing grommets | Packing unit |
|-------------|-------|-------------|-------------|-------------------------------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | | |
| Designation | | 6h | 6h | | |
| Ampere | Poles | Article no. | Article no. | | |
| 16 | 3 | AP31S20 | | 0 | 10 |
| 16 | 4 | | AP41S30 | 0 | 10 |
| 16 | 5 | | AP51S30 | 0 | 10 |
| 16 | 3 | AP31S21 | | 2 | 10 |
| 16 | 4 | | AP41S31 | 2 | 10 |
| 16 | 5 | | AP51S31 | 2 | 10 |
| 16 | 3 | AP31S22 | | 4 | 10 |
| 16 | 4 | | AP41S32 | 4 | 10 |
| 16 | 5 | | AP51S32 | 4 | 10 |

CEE Flush-mounted socket outlet

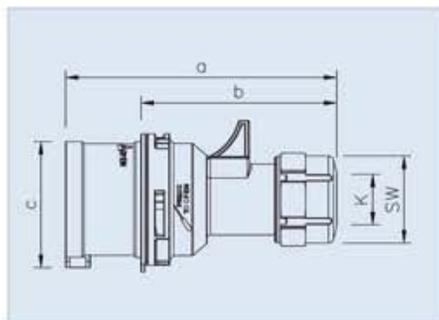
according to IEC 60309, EN 60309, VDE 0623



| Voltage | | 400 V~ | |
|-------------------|-------|-------------|--------------|
| Frequency | | 50/60 Hz | |
| Designation | | 6h | |
| Ampere | Poles | Article no. | Packing unit |
| 16 | 5 | D 51.33 | 10 |
| Weigh: 183 g/each | | | |

CEE Flush-mounted socket outlet

splash-proof IP44
shipment: with in-wall box



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|-------|-------|-------|
| Ampere | 16 | | | 32 | | |
| a | 118 | 124 | 131 | 146 | 146 | 152 |
| b | 82 | 88 | 95 | 100 | 100 | 106 |
| c | 47 | 53 | 61 | 63 | 63 | 70 |
| K | 6-15 | 6-15 | 8-16 | 10-20 | 10-20 | 12-22 |
| SW | 38 | 38 | 42 | 50 | 50 | 50 |
| Weight [g/each] | 104 | 127 | 150 | 181 | 200 | 230 |

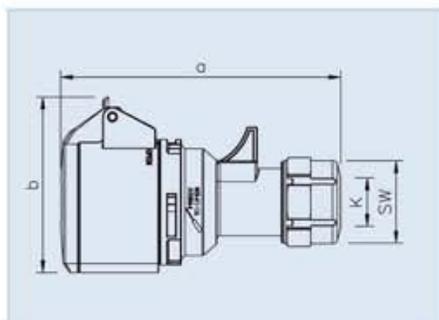
Plug, black
splash-proof IP44

- screw terminals
- quick release locking system (turn2fix)

All plugs are also available with **nickel-plated** contacts. Add a "V" instead of the second "S" to the article number e.g. S31V20B.



| | | 230 V~ | 400 V~ | | |
|--------|-------|-----------------------|-----------------------|--------------|--|
| | | 50/60 Hz | 50/60 Hz | | |
| | | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Article no. | Packing unit | |
| 16 | 3 | S31S20B | | 10 | |
| 16 | 4 | | S41S30B | 10 | |
| 16 | 5 | | S51S30B | 10 | |
| 32 | 3 | S32S20B | | 10 | |
| 32 | 4 | | S42S30B | 10 | |
| 32 | 5 | | S52S30B | 10 | |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|-------|-------|-------|
| Ampere | 16 | | | 32 | | |
| a | 129 | 135 | 142 | 159 | 159 | 165 |
| b | 76 | 80 | 89 | 92 | 92 | 98 |
| K | 6-15 | 6-15 | 8-16 | 10-20 | 10-20 | 12-22 |
| SW | 38 | 38 | 42 | 50 | 50 | 50 |
| Weight [g/each] | 137 | 161 | 183 | 225 | 244 | 278 |

Connector, black
splash-proof IP44

- hinged lid with thumb grip
- screw terminals
- quick release locking system (turn2fix)

All connectors are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. K31V20B.



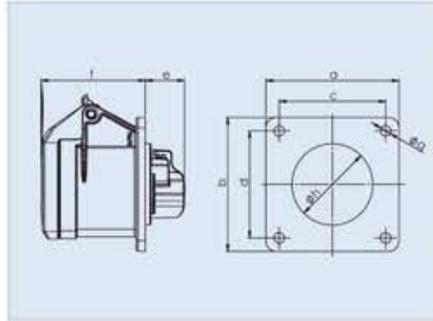
| | | 230 V~ | 400 V~ | | |
|--------|-------|-----------------------|-----------------------|--------------|--|
| | | 50/60 Hz | 50/60 Hz | | |
| | | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Poles | Article no. | Article no. | Packing unit | |
| 16 | 3 | K31S20B | | 10 | |
| 16 | 4 | | K41S30B | 10 | |
| 16 | 5 | | K51S30B | 10 | |
| 32 | 3 | K32S20B | | 10 | |
| 32 | 4 | | K42S30B | 10 | |
| 32 | 5 | | K52S30B | 10 | |



Panel-mounted socket outlet, straight, black
splash-proof IP44

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V20B.



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|-----------|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 70 | 70 | 70 | 70 | 70 | 70 |
| c and d | 56 | 56 | 56 | 56 | 56 | 56 |
| e | 21 | 21 | 21 | 23 | 23 | 23 |
| f | 55 | 55 | 55 | 67 | 67 | 67 |
| g | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| h | 43 | 45 | 55 | 55 | 55 | 58 |
| Weight [g/each] | 113 | 128 | 150 | 164 | 181 | 213 |

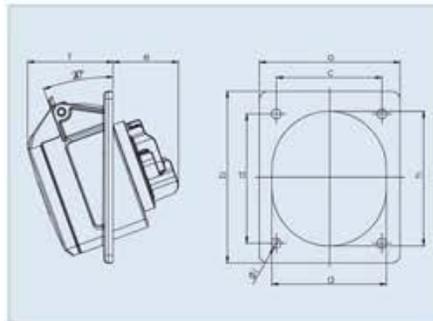
| | | 230 V~ | 400 V~ | | |
|--------------------|------|-----------------------|-----------------------|--------------|--|
| Voltage | | 230 V~ | 400 V~ | | |
| Frequency | | 50/60 Hz | 50/60 Hz | | |
| Designation | | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Pole | Article no. | Article no. | Packing unit | |
| 16 | 3 | F31S20B | | 10 | |
| 16 | 4 | | F41S30B | 10 | |
| 16 | 5 | | F51S30B | 10 | |
| 32 | 3 | F32S20B | | 10 | |
| 32 | 4 | | F42S30B | 10 | |
| 32 | 5 | | F52S30B | 10 | |



Panel-mounted socket outlet, angled 20°, black
splash-proof IP44

- screw terminals

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F31V22B.



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|-----------|-----|-----|
| Ampere | 16 | | | 32 | | |
| Flange a | 70 | 70 | 80 | 80 | 80 | 80 |
| Flange b | 85 | 85 | 97 | 97 | 97 | 97 |
| Hole spacing c | 50 | 50 | 60 | 60 | 60 | 60 |
| Hole spacing d | 65 | 65 | 73 | 73 | 73 | 73 |
| e | 38 | 38 | 39 | 51 | 51 | 51 |
| f | 47 | 47 | 48 | 50 | 50 | 52 |
| g | 51 | 56 | 65 | 65 | 65 | 70 |
| h | 61 | 67 | 76 | 75 | 75 | 80 |
| i | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 | 5,5 |
| Weight [g/each] | 112 | 117 | 144 | 198 | 222 | 250 |

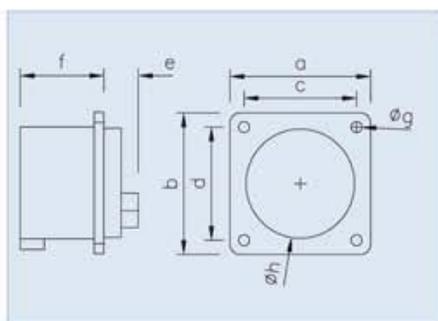
| | | 230 V~ | 400 V~ | | |
|--------------------|------|-----------------------|-----------------------|--------------|--|
| Voltage | | 230 V~ | 400 V~ | | |
| Frequency | | 50/60 Hz | 50/60 Hz | | |
| Designation | | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | | |
| Ampere | Pole | Article no. | Article no. | Packing unit | |
| 16 | 3 | F31S22B | | 10 | |
| 16 | 4 | | F41S32B | 10 | |
| 16 | 5 | | F51S32B | 10 | |
| 32 | 3 | F32S22B | | 10 | |
| 32 | 4 | | F42S32B | 10 | |
| 32 | 5 | | F52S32B | 10 | |



**Appliance inlet, straight
bronze green, RAL 6031-F**
splash-proof IP44

- screw terminals

Notice acc. to EN 60309:
for correct use, a retaining lug or
retaining slot is necessary.



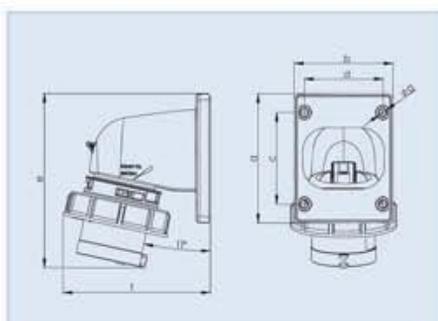
| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|-----------|-----|-----|
| Ampere | 16 | | | 32 | | |
| a and b | 70 | 70 | 70 | 75 | 70 | 70 |
| c and d | 56 | 56 | 56 | 56 | 56 | 56 |
| e | 25 | 25 | 26 | 30 | 30 | 30 |
| f | 41 | 41 | 42 | 50 | 50 | 50 |
| g | 5 | 5 | 5 | 5 | 5 | 5 |
| h | 43 | 43 | 55 | 55 | 55 | 55 |
| Weight [g/each] | 87 | 100 | 112 | 140 | 160 | 178 |

| | | 230 V~ | 400 V~ | | |
|--------------------|-------|-------------|-------------|--------------|--|
| Voltage | | 230 V~ | 400 V~ | | |
| Frequency | | 50/60 Hz | 50/60 Hz | | |
| Designation | | 6h | 6h | | |
| Ampere | Poles | Article no. | Article no. | Packing unit | |
| 16 | 3 | A31V23G | | 10 | |
| 16 | 4 | | A41V33G | 10 | |
| 16 | 5 | | A51V33G | 10 | |
| 32 | 3 | A32V23G | | 10 | |
| 32 | 4 | | A42V33G | 10 | |
| 32 | 5 | | A52V33G | 10 | |



**Angle appliance inlet,
bronze green, RAL 6031-F**
watertight IP67

- screw terminals
- quick release locking system (turn2fix)



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|-----------|-----|-----|
| Ampere | 16 | | | 32 | | |
| a | 86 | 86 | 100 | 100 | 100 | 100 |
| b | 66 | 66 | 90 | 90 | 90 | 90 |
| c | 61 | 61 | 85 | 85 | 85 | 85 |
| d | 53 | 53 | 77 | 77 | 77 | 77 |
| e | 116 | 117 | 153 | 163 | 163 | 164 |
| f | 99 | 103 | 107 | 110 | 110 | 114 |
| g | 5 | 5 | 5 | 5 | 5 | 5 |
| Weight [g/each] | 146 | 165 | 212 | 231 | 251 | 275 |

| | | 230 V~ | 400 V~ | | |
|--------------------|-------|-------------|-------------|--------------|--|
| Voltage | | 230 V~ | 400 V~ | | |
| Frequency | | 50/60 Hz | 50/60 Hz | | |
| Designation | | 6h | 6h | | |
| Ampere | Poles | Article no. | Article no. | Packing unit | |
| 16 | 3 | A31V26G | | 10 | |
| 16 | 4 | | A41V36G | 10 | |
| 16 | 5 | | A51V36G | 10 | |
| 32 | 3 | A32V26G | | 10 | |
| 32 | 4 | | A42V36G | 10 | |
| 32 | 5 | | A52V36G | 10 | |

* no military version



CEE Switched interlocked wall-mounted socket outlets

Switch off a bit!

In addition to the high safety standards for the CEE components used and the high-performance Miniature circuit breakers, these Wall-mounted socket outlets have a mechanical locking system for optimal safety.



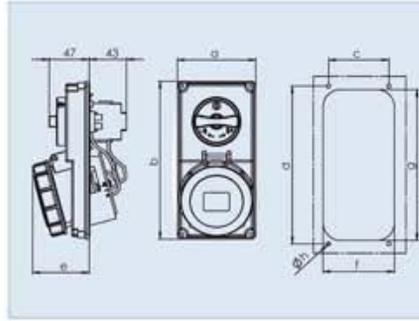
Wall-mounted socket outlets which can be switched off – everything under control in one step

- enclosure in PC/ABS version
- mechanical locking:
after insertion and switching on, the **plug is locked**
after switching off and removal of the plug, the **switch is locked**
- On/Off switch 10kA accordance to EN 60947-3
- large connection space
- wired
- cable entry above or below
- wide number of versions from 16 to 63A can be supplied
- wiring can be led through for 16 A and 32 A
- can be locked with padlock (40 mm) in the switched-off position
- from wiring space, protected long hole wall mounting



CEE Switched interlocked wall-mounted socket outlets

mechanically locked, lockable with padlock

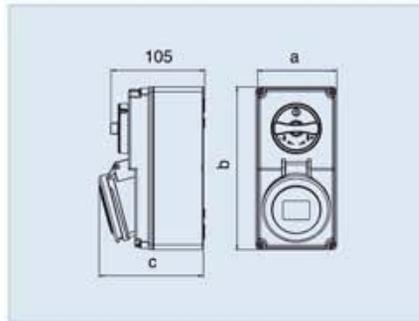


| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|-----------|-----|-----|
| Ampere | 16 | | | 32 | | |
| a | 90 | 90 | 90 | 90 | 90 | 90 |
| b | 180 | 180 | 180 | 180 | 180 | 180 |
| c | 79 | 79 | 79 | 79 | 79 | 79 |
| d | 169 | 169 | 169 | 169 | 169 | 169 |
| e | 61 | 62 | 65 | 68 | 68 | 70 |
| f | 82 | 82 | 82 | 82 | 82 | 82 |
| g | 172 | 172 | 172 | 172 | 172 | 172 |
| h | 4,4 | 4,4 | 4,4 | 4,4 | 4,4 | 4,4 |
| Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| Weight [g/each] | 463 | 524 | 562 | 521 | 579 | 621 |

Wall-mounted socket outlet
watertight IP67

- flange version for installation
- mechanically locked
- all components are mounted on the top

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|--|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | C31S150 | C31S250 | C31S350 | | C31S550 | 1 | |
| 16 | 4 | C41S150 | C41S250 | C41S350 | C41S450 | C41S550 | 1 | |
| 16 | 5 | C51S150 | C51S250 | C51S350 | | C51S550 | 1 | |
| 32 | 3 | C32S150 | C32S250 | C32S350 | | C32S550 | 1 | |
| 32 | 4 | C42S150 | C42S250 | C42S350 | C42S450 | C42S550 | 1 | |
| 32 | 5 | C52S150 | C52S250 | C52S350 | | C52S550 | 1 | |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|-----|-----|-----------|-----|-----|
| Ampere | 16 | | | 32 | | |
| a | 90 | 90 | 90 | 90 | 90 | 90 |
| b | 180 | 180 | 180 | 180 | 180 | 180 |
| c | 115 | 116 | 117 | 123 | 123 | 124 |
| Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| Weight [g/each] | 596 | 657 | 695 | 654 | 712 | 754 |

Wall-mounted socket outlet
splash-proof IP44

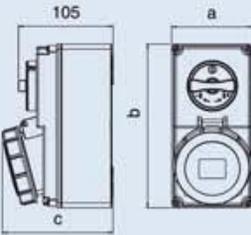
- mechanically locked
- all components are mounted on the top

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|--|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | C31S101 | C31S201 | C31S301 | | C31S501 | 1 | |
| 16 | 4 | C41S101 | C41S201 | C41S301 | C41S401 | C41S501 | 1 | |
| 16 | 5 | C51S101 | C51S201 | C51S301 | | C51S501 | 1 | |
| 32 | 3 | C32S101 | C32S201 | C32S301 | | C32S501 | 1 | |
| 32 | 4 | C42S101 | C42S201 | C42S301 | C42S401 | C42S501 | 1 | |
| 32 | 5 | C52S101 | C52S201 | C52S301 | | C52S501 | 1 | |

CEE Switched interlocked wall-mounted socket outlets

mechanically locked, lockable with padlock



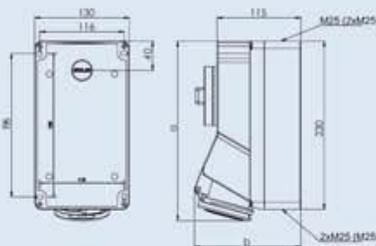
| | | | | | | | | |
|--|---|------------------------|-----------|----------|----------|-----------|----------|----------|
| |  | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | | Ampere | 16 | | | 32 | | |
| | | a | 90 | 90 | 90 | 90 | 90 | 90 |
| | | b | 180 | 180 | 180 | 180 | 180 | 180 |
| | | c | 119 | 120 | 122 | 125 | 125 | 128 |
| | | Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| | | Weight [g/each] | 596 | 657 | 695 | 654 | 712 | 754 |

Wall-mounted socket outlet
watertight IP67

- mechanically locked
- all components are mounted on the top

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | C31S151 | C31S251 | C31S351 | | C31S551 | 1 |
| 16 | 4 | C41S151 | C41S251 | C41S351 | C41S451 | C41S551 | 1 |
| 16 | 5 | C51S151 | C51S251 | C51S351 | | C51S551 | 1 |
| 32 | 3 | C32S151 | C32S251 | C32S351 | | C32S551 | 1 |
| 32 | 4 | C42S151 | C42S251 | C42S351 | C42S451 | C42S551 | 1 |
| 32 | 5 | C52S151 | C52S251 | C52S351 | | C52S551 | 1 |



| | | | | | | | | |
|--|---|------------------------|-----------|----------|----------|-----------|----------|----------|
| |  | Poles | 3 | 4 | 5 | 3 | 4 | 5 |
| | | Ampere | 16 | | | 32 | | |
| | | a | 248 | 249 | 250 | 253 | 253 | 254 |
| | | b | 146 | 146 | 146 | 150 | 150 | 157 |
| | | M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| | | AC 22A | 20A | 20A | 20A | 32A | 32A | 32A |
| | | Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| | | Weight [g/each] | 1123 | 1143 | 1183 | 1203 | 1213 | 1263 |

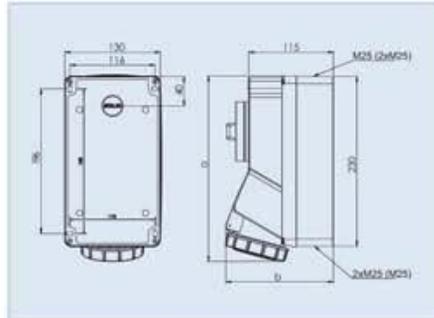
Wall-mounted socket outlet
splash-proof IP44

- mechanically locked
- cable entry above, below or behind
- all components are mounted on the bottom

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | C31S102 | C31S202 | C31S302 | | C31S502 | 1 |
| 16 | 4 | C41S102 | C41S202 | C41S302 | C41S402 | C41S502 | 1 |
| 16 | 5 | C51S102 | C51S202 | C51S302 | | C51S502 | 1 |
| 32 | 3 | C32S102 | C32S202 | C32S302 | | C32S502 | 1 |
| 32 | 4 | C42S102 | C42S202 | C42S302 | C42S402 | C42S502 | 1 |
| 32 | 5 | C52S102 | C52S202 | C52S302 | | C52S502 | 1 |

CEE Switched interlocked wall-mounted socket outlets

mechanically locked, lockable with padlock

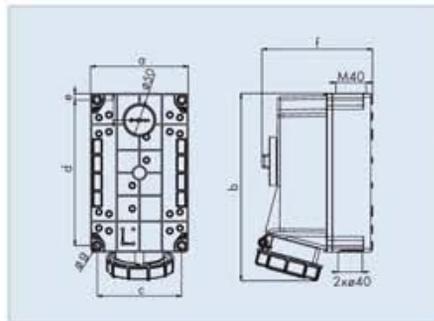


| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 248 | 249 | 250 | 253 | 253 | 254 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| AC 22A | 20A | 20A | 20A | 32A | 32A | 32A |
| Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| Weight [g/each] | 1130 | 1150 | 1190 | 1210 | 1220 | 1270 |

Wall-mounted socket outlet
watertight IP67

- mechanically locked
- cable entry above, below or behind
- all components are mounted on the bottom

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | C31S152 | C31S252 | C31S352 | | C31S552 | 1 |
| 16 | 4 | C41S152 | C41S252 | C41S352 | C41S452 | C41S552 | 1 |
| 16 | 5 | C51S152 | C51S252 | C51S352 | | C51S552 | 1 |
| 32 | 3 | C32S152 | C32S252 | C32S352 | | C32S552 | 1 |
| 32 | 4 | C42S152 | C42S252 | C42S352 | C42S452 | C42S552 | 1 |
| 32 | 5 | C52S152 | C52S252 | C52S352 | | C52S552 | 1 |



| Poles | 3 | 4 | 5 |
|------------------------|------|------|------|
| Ampere | 63 | | |
| a | 162 | 162 | 162 |
| b | 310 | 310 | 310 |
| c | 140 | 140 | 140 |
| d | 240 | 240 | 240 |
| e | 11 | 11 | 11 |
| f | 184 | 184 | 184 |
| g | 9 | 9 | 9 |
| Weight [g/each] | 1810 | 1944 | 2083 |

Wall-mounted socket outlet
watertight IP67

- HighPower version
- mechanically locked
- cable entry above, below or behind
- housing can be rotated 180°
- all components are mounted on the bottom

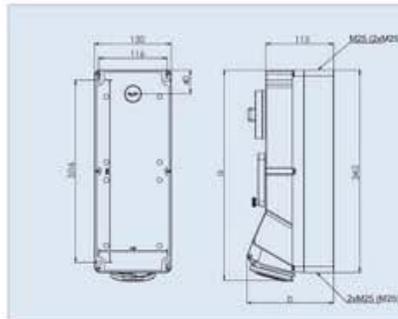
| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 63 | 3 | C33S153 | C33S253 | C33S353 | | C33S553 | 1 |
| 63 | 4 | C43S153 | C43S253 | C43S353 | C43S453 | C43S553 | 1 |
| 63 | 5 | C53S153 | C53S253 | C53S353 | | C53S553 | 1 |

CEE Switched interlocked wall-mounted socket outlets with DIN rail

mechanically locked, lockable with padlock

Advantages:

- enclosure in PC/ABS version
- compact and space-saving construction form
- usable as flange version on distributors and cabinets
- wired
- rotating handle can be locked with padlock (40mm) when turned off
- mechanical locking: after insertion and switching on, **the plug is locked** after switching off and removing the plug, **the switch is locked**
- large connection space
- wiring can be looped through for 16 A and 32 A
- long version with flap window for 5 or 6 modules
- integrated DIN rail EN 50022 for all standard fuses, as well as Miniature circuit breakers, RCCBs, etc. with cap installation size: 45 mm
- pre-wired up to DIN rail
- other configuration (switch below, flap window above) upon request!



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 358 | 359 | 360 | 363 | 363 | 364 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| AC 22A | 20A | 20A | 20A | 32A | 32A | 32A |
| Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| Weight [g/each] | 1483 | 1603 | 1643 | 1663 | 1673 | 1723 |

Wall-mounted socket outlet, with DIN rail

splash-proof IP44

- mechanically locked
- cable entry above, below or behind
- with DIN rail and window for 5 modules
- all components are mounted on the bottom

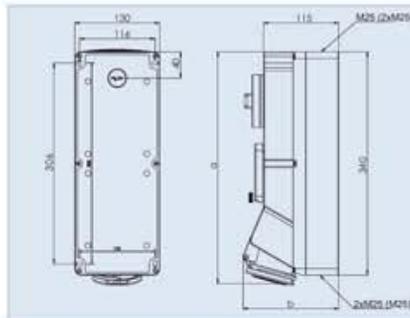
| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | C31S110 | C31S210 | C31S310 | | C31S510 | 1 |
| 16 | 4 | C41S110 | C41S210 | C41S310 | C41S410 | C41S510 | 1 |
| 16 | 5 | C51S110 | C51S210 | C51S310 | | C51S510 | 1 |
| 32 | 3 | C32S110 | C32S210 | C32S310 | | C32S510 | 1 |
| 32 | 4 | C42S110 | C42S210 | C42S310 | C42S410 | C42S510 | 1 |
| 32 | 5 | C52S110 | C52S210 | C52S310 | | C52S510 | 1 |

CEE Switched interlocked wall-mounted socket outlets with Neozed fuse base

according to IEC 60309, EN 60309, VDE 0623

Advantages:

- enclosure in PC/ABS version
- compact and space-saving construction form
- usable as flange version on distributors and cabinets
- wired
- rotating handle can be locked with padlock (40mm) when switched off
- mechanical locking:
after insertion and switching on, the **plug is locked**
after switching off and removing the plug, the **switch is locked**
- large connection space
- wiring can be looped through for 16 A and 32 A
- long version with flap window
- integrated DIN rail EN 50022
- fuse
in version 16 A/32 A:
Neozed D01, D02; > 400 V: cylindrical fuse 14x51
in version 63 A:
fuse up to 400V with Neozed D02
- wired for connection
- other configuration (switch below, window above) upon request!



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 358 | 359 | 360 | 363 | 363 | 364 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| AC 22A | 20A | 20A | 20A | 32A | 32A | 32A |
| Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| Weight [g/each] | 1793 | 1813 | 1853 | 1873 | 1883 | 1933 |

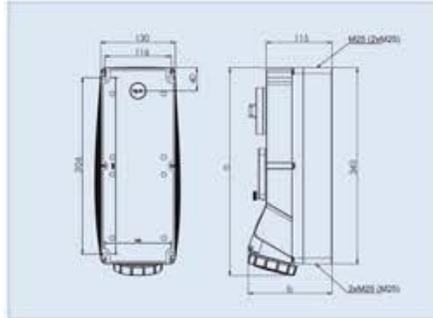
Wall-mounted socket outlet splash-proof IP44

- mechanically locked
- with Neozed fuse base, for > 400V cylindrical fuse component 14 x 51
- up to 3 x M25
- all components are mounted on the bottom

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | C31S120 | C31S220 | C31S320 | | C31S520 | 1 |
| 16 | 4 | C41S120 | C41S220 | C41S320 | C41S420 | C41S520 | 1 |
| 16 | 5 | C51S120 | C51S220 | C51S320 | | C51S520 | 1 |
| 32 | 3 | C32S120 | C32S220 | C32S320 | | C32S520 | 1 |
| 32 | 4 | C42S120 | C42S220 | C42S320 | C42S420 | C42S520 | 1 |
| 32 | 5 | C52S120 | C52S220 | C52S320 | | C52S520 | 1 |

CEE Switched interlocked wall-mounted socket outlets with Neozed fuse base

according to IEC 60309, EN 60309, VDE 0623

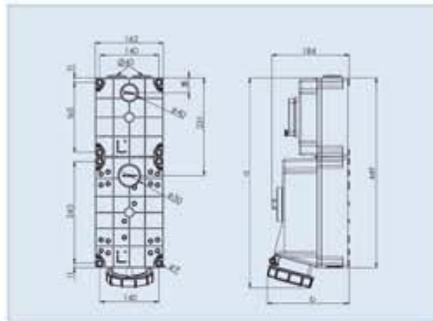


| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 358 | 359 | 360 | 363 | 363 | 364 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| AC 22A | 20A | 20A | 20A | 32A | 32A | 32A |
| Switch contacts | 2 | 3 | 4 | 2 | 3 | 4 |
| Weight [g/each] | 1800 | 1820 | 1860 | 1880 | 1890 | 1940 |

Wall-mounted socket outlet watertight IP67

- mechanically locked
- with Neozed fuse base, for > 400V cylindrical fuse component 14 x 51
- up to 3 x M25
- all components are mounted on the bottom

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | C31S170 | C31S270 | C31S370 | | C31S570 | 1 |
| 16 | 4 | C41S170 | C41S270 | C41S370 | C41S470 | C41S570 | 1 |
| 16 | 5 | C51S170 | C51S270 | C51S370 | | C51S570 | 1 |
| 32 | 3 | C32S170 | C32S270 | C32S370 | | C32S570 | 1 |
| 32 | 4 | C42S170 | C42S270 | C42S370 | C42S470 | C42S570 | 1 |
| 32 | 5 | C52S170 | C52S270 | C52S370 | | C52S570 | 1 |



| Poles | 3 | 4 | 5 |
|------------------------|------|------|------|
| Ampere | 63 | | |
| a | 496 | 496 | 496 |
| b | 195 | 195 | 195 |
| AC 22A | 63A | 63A | 63A |
| Switch contacts | 2 | 3 | 4 |
| Weight [g/each] | 2707 | 2841 | 2980 |

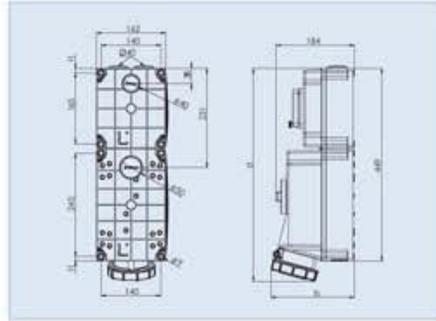
Wall-mounted socket outlet watertight IP67

- HighPower version
- mechanically locked
- cable entry above or behind
- fuse up to 400V with Neozed D02
- wired
- all components are mounted on the bottom

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | |
| 63 | 3 | B33S16 | B33S26 | B33S36 | | 1 |
| 63 | 4 | B43S16 | B43S26 | B43S36 | B43S46 | 1 |
| 63 | 5 | B53S16 | B53S26 | B53S36 | | 1 |

CEE Switched interlocked wall-mounted socket outlets protected with MCBs

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 |
|-----------------|------|------|------|
| Ampere | 63 | | |
| a | 496 | 496 | 496 |
| b | 195 | 195 | 195 |
| AC 22A | 63A | 63A | 63A |
| Switch contacts | 2 | 3 | 4 |
| Weight [g/each] | 2707 | 2841 | 2980 |

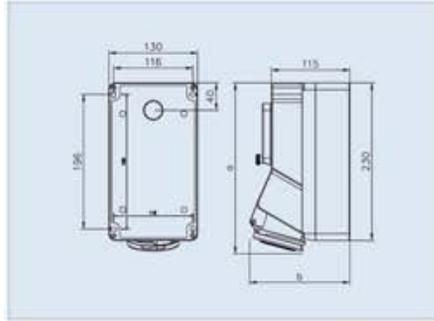
Wall-mounted socket outlet
watertight IP67

- HighPower version
- mechanically locked
- cable entry above or behind
- MCB fuse
- wired

| | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | | |
|--------|-------|-------------|-----------------------|-----------------------|-------------|--------------|--|
| | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | | |
| | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 63 | 3 | B33S17 | B33S27 | B33S37 | | 1 | |
| 63 | 4 | B43S17 | B43S27 | B43S37 | B43S47 | 1 | |
| 63 | 5 | B53S17 | B53S27 | B53S37 | | 1 | |

CEE Wall-mounted socket outlets with protection

according to IEC 60309, EN 60309, VDE 0623



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 248 | 249 | 250 | 253 | 253 | 254 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| Weight [g/each] | 1048 | 1057 | 1087 | 1125 | 1125 | 1162 |

Wall-mounted socket outlet
splash-proof IP44

- with DIN rail for 5 modules
- watertight IP67 upon request

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | B31S10 | B31S20 | B31S30 | | B31S50 | 1 |
| 16 | 4 | B41S10 | B41S20 | B41S30 | B41S40 | B41S50 | 1 |
| 16 | 5 | B51S10 | B51S20 | B51S30 | | B51S50 | 1 |
| 32 | 3 | B32S10 | B32S20 | B32S30 | | B32S50 | 1 |
| 32 | 4 | B42S10 | B42S20 | B42S30 | B42S40 | B42S50 | 1 |
| 32 | 5 | B52S10 | B52S20 | B52S30 | | B52S50 | 1 |



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 248 | 249 | 250 | 253 | 253 | 254 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| Weight [g/each] | 1158 | 1267 | 1297 | 1334 | 1334 | 1372 |

Wall-mounted socket outlet
splash-proof IP44

- with Neozed fuse base, for 500 V cylindrical fuse 14 x 51

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | Packing unit |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | |
| 16 | 3 | B31S11 | B31S21 | B31S31 | | B31S51 | 1 |
| 16 | 4 | B41S11 | B41S21 | B41S31 | B41S41 | B41S51 | 1 |
| 16 | 5 | B51S11 | B51S21 | B51S31 | | B51S51 | 1 |
| 32 | 3 | B32S11 | B32S21 | B32S31 | | B32S51 | 1 |
| 32 | 4 | B42S11 | B42S21 | B42S31 | B42S41 | B42S51 | 1 |
| 32 | 5 | B52S11 | B52S21 | B52S31 | | B52S51 | 1 |

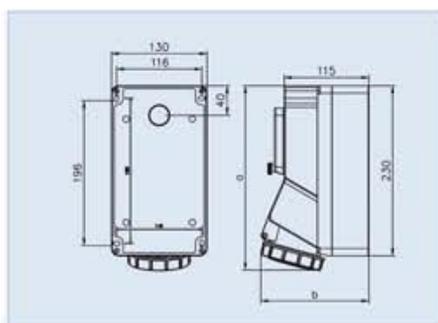
CEE Wall-mounted socket outlets with protection

according to IEC 60309, EN 60309, VDE 0623



Wall-mounted socket outlet
watertight IP67

- with Neozed fuse base, for 500 V cylindrical fuse 14 x 51



| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|------|------|-----------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 248 | 249 | 250 | 253 | 253 | 254 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| Weight [g/each] | 1265 | 1274 | 1304 | 1341 | 1341 | 1379 |

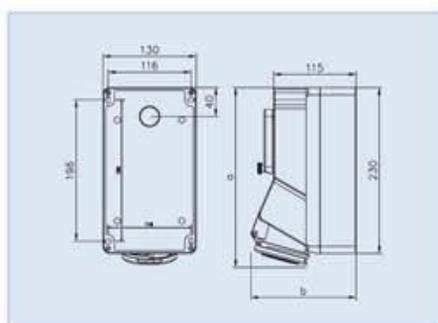
| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | 500 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|-------------|--------------|---|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | 7h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | B31S16 | B31S26 | B31S36 | | B31S56 | 1 |
| 16 | 4 | B41S16 | B41S26 | B41S36 | B41S46 | B41S56 | 1 |
| 16 | 5 | B51S16 | B51S26 | B51S36 | | B51S56 | 1 |
| 32 | 3 | B32S16 | B32S26 | B32S36 | | B32S56 | 1 |
| 32 | 4 | B42S16 | B42S26 | B42S36 | B42S46 | B42S56 | 1 |
| 32 | 5 | B52S16 | B52S26 | B52S36 | | B52S56 | 1 |



Wall-mounted socket outlet
splash-proof IP44

- with Miniature circuit breaker I_N - C

watertight IP67 upon request

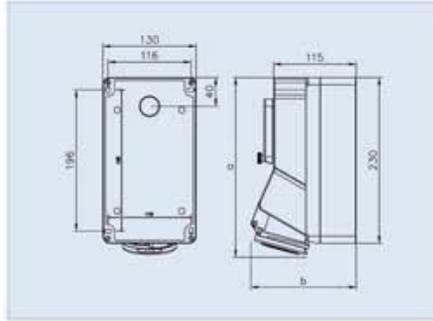


| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|------------------------|-----------|------|------|-----------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 248 | 249 | 250 | 253 | 253 | 254 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| Weight [g/each] | 1265 | 1274 | 1304 | 1341 | 1341 | 1379 |

| Voltage | 110 V~ | 230 V~ | 400 V~ | 440 V~ | | |
|-------------|----------|-----------------------|-----------------------|-------------|--------------|---|
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | | |
| Designation | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | | |
| Ampere | Poles | Article no. | Article no. | Article no. | Packing unit | |
| 16 | 3 | B31S13 | B31S23 | B31S33 | 1 | |
| 16 | 4 | B41S13 | B41S23 | B41S33 | B41S43 | 1 |
| 16 | 5 | B51S13 | B51S23 | B51S33 | 1 | |
| 32 | 3 | B32S13 | B32S23 | B32S33 | 1 | |
| 32 | 4 | B42S13 | B42S23 | B42S33 | B42S43 | 1 |
| 32 | 5 | B52S13 | B52S23 | B52S33 | 1 | |

CEE Wall-mounted socket outlets with protection

according to IEC 60309, EN 60309, VDE 0623



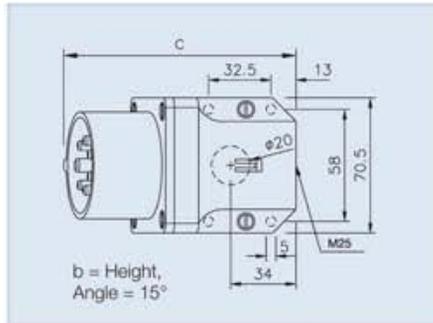
| Poles | 3 | 4 | 5 | 3 | 4 | 5 |
|-----------------|------|------|------|------|------|------|
| Ampere | 16 | | | 32 | | |
| a | 248 | 249 | 250 | 253 | 253 | 254 |
| b | 146 | 146 | 146 | 150 | 150 | 157 |
| M | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 | 3x25 |
| Weight [g/each] | 1265 | 1274 | 1304 | 1341 | 1341 | 1379 |

Wall-mounted socket outlet
splash-proof IP44

- with RCCB $I_{\Delta N}$ 30 mA

watertight IP67 upon request

| Voltage | | 110 V~ | 230 V~ | 400 V~ | 440 V~ | |
|-------------|-------|-------------|-----------------------|-----------------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| Designation | | 4h | 3p = 6h 4p/5p = 9h | 3p = 9h 4p/5p = 6h | 11h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | B31S14 | B31S24 | B31S34 | | 1 |
| 16 | 4 | B41S14 | B41S24 | B41S34 | B41S44 | 1 |
| 16 | 5 | B51S14 | B51S24 | B51S34 | | 1 |
| 32 | 3 | B32S14 | B32S24 | B32S34 | | 1 |
| 32 | 4 | B42S14 | B42S24 | B42S34 | B42S44 | 1 |
| 32 | 5 | B52S14 | B52S24 | B52S34 | | 1 |



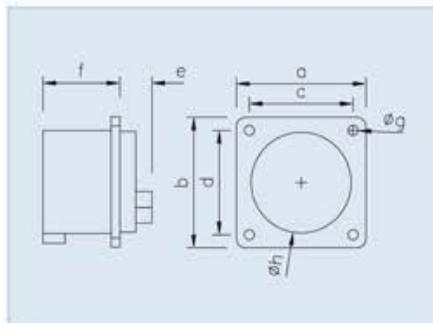
| | | |
|------------------------|-----------|----------------------|
| Poles | 7 | 7^a |
| Ampere | 16 | 16 |
| IP | 44 | 44 |
| b | 79 | 117 |
| c | 123 | 165 |
| M | 25 | 25 |
| Weight [g/each] | 236 | 345 |

Wall-mounted inlet
splash-proof IP44

All wall-mounted inlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. G71V20.

| | | |
|--------------------|-----------------|----------------------|
| Voltage | 230 V~ | 400 V~ |
| Frequency | 50/60 Hz | 50/60 Hz |
| Designation | 9h | 6h |
| Ampere | 16 | 16 |
| Poles | 7 | 7^a |
| Article no. | G71S20 | G71S30 |
| Article no. | G71S21 | G71S31 |

| | |
|--------------------------------------|---------------------|
| Notice | Packing unit |
| | 10 |
| large housing, can be looped through | 5 |



| | |
|------------------------|-----------|
| Poles | 7 |
| Ampere | 16 |
| IP | 44 |
| a and b | 70 |
| c and d | 56 |
| e | 25 |
| f | 42 |
| g | 5 |
| h | 54 |
| Weight [g/each] | 145 |

Appliance inlet, straight
splash-proof IP44

^a flange = 75 x 75 mm,
Hole spacing 60 x 60 mm

All appliance inlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. A71V22.

| | | |
|--------------------|-----------------|----------------------|
| Voltage | 230 V~ | 400 V~ |
| Frequency | 50/60 Hz | 50/60 Hz |
| Designation | 9h | 6h |
| Ampere | 16 | 16 |
| Poles | 7 | 7^a |
| Article no. | A71S22 | A71S32 |
| Article no. | A71S23 | A71S33 |

| |
|---------------------|
| Packing unit |
| 10 |
| 10 |

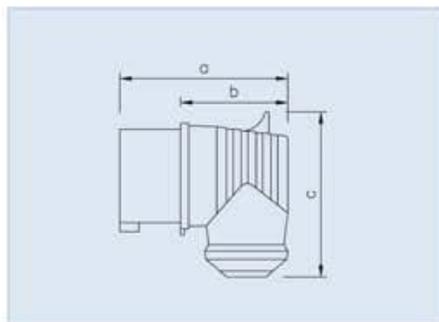


Angle plug

splash-proof IP44

- short entry sleeve at the side

This angle plug is also available with **nickel-plated** contacts: article number S71V32.



| | |
|------------------------|-----------|
| Poles | 7 |
| Ampere | 16 |
| IP | 44 |
| a | 101 |
| b | 65 |
| c | 98 |
| Weight [g/each] | 146 |

| | |
|---------------------|-----------------|
| Voltage | 400 V~ |
| Frequency | 50/60 Hz |
| Designation | 6h |
| Ampere | 16 |
| Poles | 7 |
| Article no. | S71S32 |
| Packing unit | 10 |

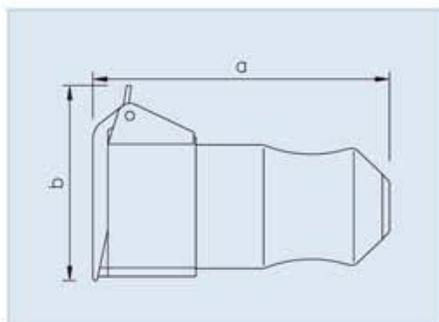


Connector

splash-proof IP44
watertight IP67

- entry sleeve

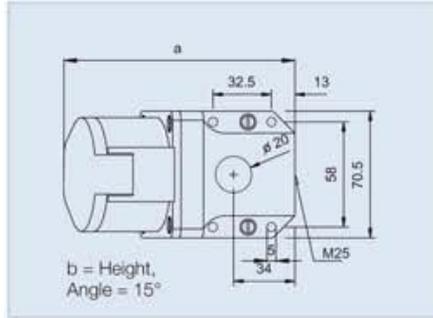
All connectors are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. K71V20.



| | | | |
|------------------------|-----------|-----------|-----------|
| Poles | 7 | 7 | 7 |
| Ampere | 16 | 32 | |
| IP | 44 | 44 | 67 |
| a | 145 | 226 | 226 |
| b | 90 | 99 | 99 |
| Weight [g/each] | 236 | 320 | 388 |

| | | |
|--------------------|-----------------|-----------------|
| Voltage | 230 V~ | 400 V~ |
| Frequency | 50/60 Hz | 50/60 Hz |
| Designation | 9h | 6h |
| Ampere | 16 | 32 |
| Poles | 7 | 7 |
| Article no. | K71S20 | K71S30 |
| Article no. | K72S20 | K72S30 |
| Article no. | K72S25 | K72S35 |

| | | | |
|-----------------------------|-----------|---------------|---------------------|
| Degree of protection | IP | Notice | Packing unit |
| | 44 | short sleeve | 10 |
| | 44 | cable gland | 10 |
| | 67 | cable gland | 10 |



| | | | | |
|------------------------|-----------|----------------------|-----------|-----------|
| Poles | 7 | 7^a | 7 | 7 |
| Ampere | 16 | | 32 | |
| IP | 44 | 44 | 44 | 67 |
| a | 129 | 170 | 143 | 162 |
| b | 96 | 135 | 104 | 110 |
| Hole spacing | 58 x 32,5 | 58 x 32,5 | 58 x 32,5 | 58 x 32,5 |
| M | 25 | 25 | 25 | 25 |
| Weight [g/each] | 268 | 374 | 340 | 340 |

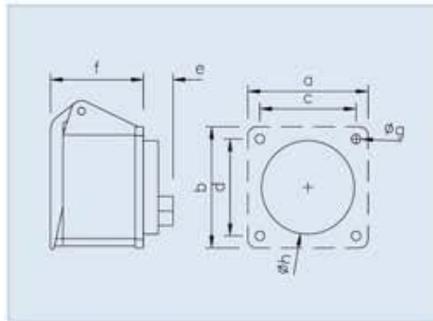
Wall-mounted socket outlet

splash-proof IP44
watertight IP67

- cable entry above

All wall-mounted socket outlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. D71V20.

| | | 230 V~ | 400 V~ | Degree of protection | Notice | Packing unit |
|--------------------|----------------------|--------------------|--------------------|-----------------------------|---|---------------------|
| | | 50/60 Hz | 50/60 Hz | | | |
| Designation | | 9h | 6h | | | |
| Ampere | Poles | Article no. | Article no. | IP | | |
| 16 | 7 | D71S20 | D71S30 | 44 | | 10 |
| 16 | 7^a | D71S22 | D71S32 | 44 | large housing, can be looped through | 5 |
| 32 | 7 | D72S20 | D72S30 | 44 | | 5 |
| 32 | 7 | D72S25 | D72S35 | 67 | | 5 |



| | | | |
|------------------------|-----------|-----------|----------|
| Poles | 7 | 7 | 7 |
| Ampere | 16 | 32 | |
| a and b | 70 | 75 | 75 |
| c and d | 56 | 60 | 60 |
| e | 28 | 19 | 19 |
| f | 45 | 62 | 65 |
| g | 5,5 | 5,5 | 5,5 |
| h | 56 | 60 | 60 |
| Weight [g/each] | 179 | 305 | 325 |

Panel-mounted socket outlet, straight

splash-proof IP44
watertight IP67

All panel-mounted socket outlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. F71V201.

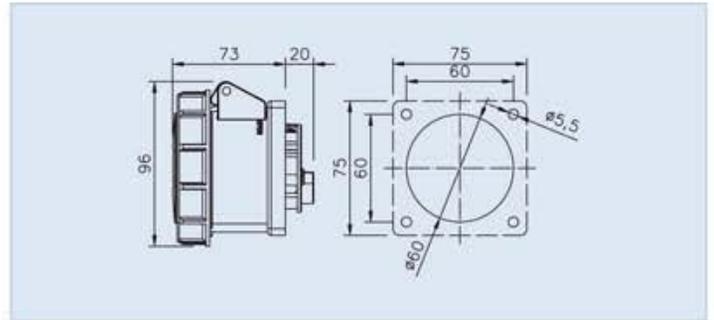
| | | 230 V~ | 400 V~ | Degree of protection | Packing unit |
|--------------------|--------------|--------------------|--------------------|-----------------------------|---------------------|
| | | 50/60 Hz | 50/60 Hz | | |
| Designation | | 9h | 6h | | |
| Ampere | Poles | Article no. | Article no. | IP | |
| 16 | 7 | F71S201 | F71S301 | 44 | 5 |
| 32 | 7 | F72S200 | F72S300 | 44 | 5 |
| 32 | 7 | F72S250 | F72S350 | 67 | 5 |



Container panel-mounted socket outlet, straight
watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- 32A 4p 3h 440V
- nickel-plated contacts

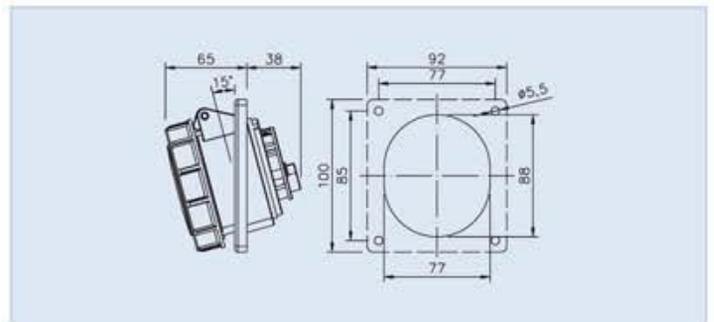
Packing unit: 10 pieces
Article no. F42V050



Container panel-mounted socket outlet, angled
watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- 32A 4p 3h 440V

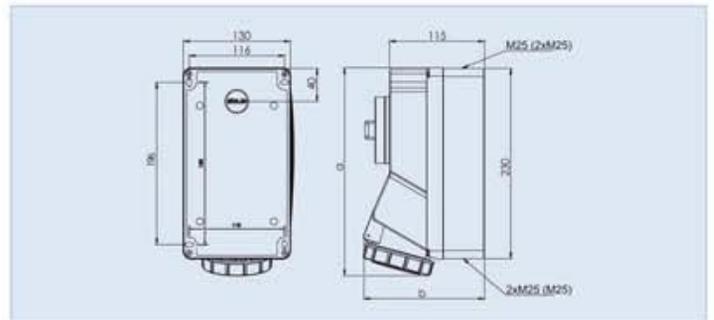
Packing unit: 10 pieces
Article no. F42V070



Container wall-mounted socket outlet
watertight IP67

- 32A 4p 3h 440V
- nickel-plated contacts
- up to 3 x M25
- with mechanical locking
- lockable with padlock

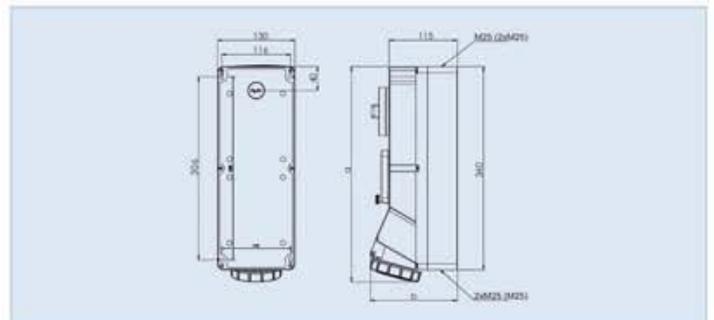
Packing unit: 1 piece
Article no. C42S052



Container wall-mounted socket outlet
watertight IP67

- 32A 4p 3h 440V
- nickel-plated contacts
- with fuse element D02-3p 440V
- up to 3 x M25
- with mechanical locking
- lockable with padlock

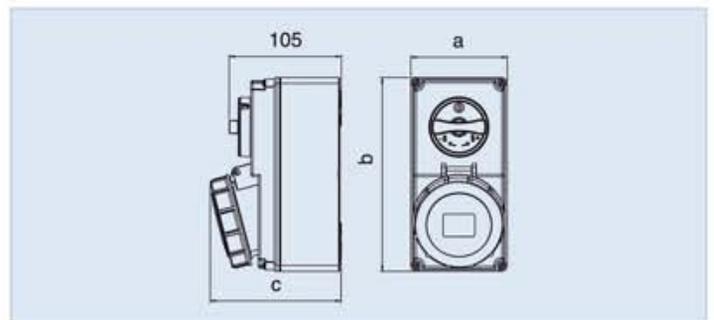
Packing unit: 1 piece
Article no. C42S070



Container wall-mounted socket outlet
watertight IP67

- 32A 4p 3h 440V
- with mechanical locking
- lockable with padlock

Packing unit: 1 piece
Article no. C42S051



CEE Multiple socket outlets

according to IEC 60309, EN 60309, VDE 0623



Multiple socket outlet *
splash-proof IP44

- quick release locking system (turn2fix)
- nickel-plated contacts
- also available in 110 V

turn2fix

Input:
1 CEE plug 16A 3p 230V
Output:
3 CEE socket outlets 16A 3p 230V

Packing unit: 5 pieces

Article no. 3K3120E



Multiple socket outlet *
watertight IP67

- quick release locking system (turn2fix)
- nickel-plated contacts
- also available in 110 V

turn2fix

Input:
1 CEE plug 16A 3p 230V
Output:
3 CEE socket outlets 16A 3p 230V

Packing unit: 5 pieces

Article no. 3K3125E



Multiple socket outlet *
splash-proof IP44

- quick release locking system (turn2fix)
- nickel-plated contacts
- also available with CEE 7/V, Danish and British protective contact socket

turn2fix

Input:
1 CEE plug 16A 3p 230V
Output:
2 CEE socket outlets 16A 3p 230V
1 SCHUKO socket outlet 16A 250V

Packing unit: 5 pieces

Article no. Z30.07



Multiple socket outlet
splash-proof IP44

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts
- also available in 110 V

turn2fix

Input:
1 x turn2fix cable gland
pre-wired to terminals
Output:
3 CEE socket outlets 16A 3p 230V

Packing unit: 5 pieces

Article no. 3K3120

* Export version (not permitted in Germany and Austria!)

CEE Multiple socket outlets

according to IEC 60309, EN 60309, VDE 0623



Multiple socket outlet

watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts
- also available in 110 V

turn2fix

Input:

1 x turn2fix-cable gland

Output:

3 CEE socket outlets 16A 3p 230V

Packing unit: 5 pieces

Article no. 3K3125



Multiple socket outlet with connecting cable

splash-proof IP44
watertight IP67

- quick release locking system (turn2fix)
- nickel-plated contacts
- also available in 110 V

turn2fix

Input:

1.5 m cable with plug

16A 3p 230V

Output:

3 CEE socket outlets 16A 3p 230V

splash-proof IP44:

Packing unit: 5 pieces

Article no. 1733000

watertight IP67:

Packing unit: 5 pieces

Article no. 1733005

CEE Adapter

according to IEC 60309, EN 60309, VDE 0623



Adapter *
Protective contact plug
2 earthing systems/
CEE socket outlet
 IP20

- nickel-plated contacts

Input:
 1 Plug 16A 2p + E 250V
 (with 2 earthing systems)
Output:
 1 CEE socket outlet 16A 3p 230V

Packing unit: 10 pieces
Article no. ADPS312



Adapter *
Protective contact plug
Italian/CEE socket outlet
 IP20

- nickel-plated contacts

Input:
 1 Italian plug P17
Output:
 1 CEE socket outlet 16A 3p 230V

Packing unit: 10 pieces
Article no. ADPI312



Adapter *
CEE plug 16A 3p/
Protective contact socket outlet
Italian
 IP20

- CEE plug with nickel-plated contacts

Input:
 1 CEE plug 16A 3p 230V
Output:
 2 Italian socket outlets P17/11

Packing unit: 10 pieces
Article no. ADP752



Adapter *
CEE-Plug 16A 3p/
Protective contact socket outlet
Italian
 IP20

- CEE plug with nickel-plated contacts

Input:
 1 CEE plug 16A 3p 230V
Output:
 1 Italian socket outlet P30/17

Packing unit: 10 pieces
Article no. ADP751



* Export version (not permitted in Germany and Austria!)

CEE Inlet with switch

according to IEC 60309, EN 60309, VDE 0623



CEE ON/OFF switch ML0 - Plug 16A 5p 400V

splash-proof IP44

Cable gland:
M25 13-18 mm

without status display

Packing unit: 1 piece

Article no. E51S30

with status display

Packing unit: 1 piece

Article no. E51S31



CEE ON/OFF switch ML0 - Plug 32A 5p 400V

splash-proof IP44

Cable gland:
M32 18-25 mm

without status display

Packing unit: 1 piece

Article no. E52S30

with status display

Packing unit: 1 piece

Article no. E52S31



CEE ON/OFF switch ML0 - Plug 16A 5p 400V with phase inverter

splash-proof IP44

Cable gland:
M25 13-18 mm

without status display

Packing unit: 1 piece

Article no. E51S30P

with status display

Packing unit: 1 piece

Article no. E51S31P

with rotary field control

Packing unit: 1 piece

Article no. E51S32P



CEE ON/OFF switch ML0 - Plug 32A 5p 400V with phase inverter

splash-proof IP44

Cable gland:
M32 18-25 mm

without status display

Packing unit: 1 piece

Article no. E52S30P

with status display

Packing unit: 1 piece

Article no. E52S31P

with rotary field control

Packing unit: 1 piece

Article no. E52S32P

* Export version (not permitted in Germany and Austria!)

CEE Inlet with switch

according to IEC 60309, EN 60309, VDE 0623



CEE Reversing switch CA10 - Plug 16A 5p 400V

splash-proof IP44

Cable gland:
M25 13-18 mm

without status display

Packing unit: 1 piece

Article no. E51S30W

with status display

Packing unit: 1 piece

Article no. E51S31W



CEE Reversing switch CA10 - Plug 32A 5p 400V

splash-proof IP44

Cable gland:
M32 18-25 mm

without status display

Packing unit: 1 piece

Article no. E52S30W

with status display

Packing unit: 1 piece

Article no. E52S31W

CEE Low-voltage plugs and socket outlets

Safety is of the utmost importance, especially for operations under difficult conditions. Protective extra-low voltage is a possible measure, whereby the highest nominal value for AC voltage is limited to 50 V.

Plug connections for low voltages are used especially for work in an environment of conductive materials such as in or on tanks, pipes, containers, metal scaffolding and under other similar conditions where freedom of movement is limited.

Choose the highest quality, and thus products from ABL SURSUM.



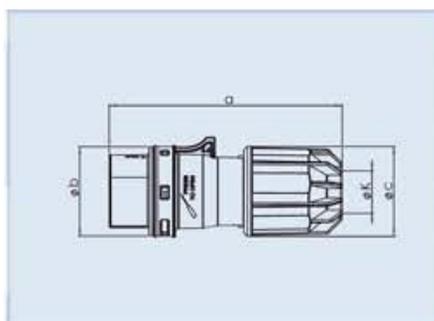
The turn2fix low-voltage series contains a complete range of plugs, connectors and mounting sockets that are suitable for any installation and were especially developed for the conditions listed above. Connecting the cable is fast, safe and can be done without tools.

Advantages:

- screwless centric strain relief for quick installation with user-friendly screw connection
- quick and easy cable entry
- strain relief and sealing of the cable by tightly turning the screw connection
- 100% sealing of the cable entry
- large connection space
- multi-ramp locking system
- suitable for cable types with diameters from 8 to 24 mm

CEE Low-voltage plugs and socket outlets

according to IEC 60309, EN 60309, VDE 0623



| Poles | 2 | 3 | 2 | 3 |
|-----------------|------|------|------|------|
| Ampere | 16 | | 32 | |
| a | 135 | 135 | 135 | 135 |
| b | 51 | 51 | 51 | 51 |
| c | 51 | 51 | 51 | 51 |
| K | 8-24 | 8-24 | 8-24 | 8-24 |
| Weight [g/each] | 142 | 154 | 142 | 154 |

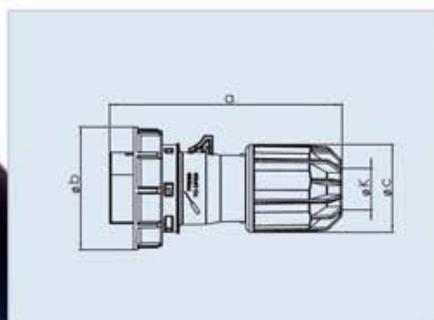
Plug

splash-proof IP44

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts



| Voltage | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | |
|-------------|------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| Designation | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Pole | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | S01S20 | S01S60 | S01S10 | S01S90 | S01S00 | S01S40 | S01S80 | 10 |
| 16 | 3 | S11S20 | S11S60 | S11S10 | S11S90 | S11S00 | S11S40 | S11S80 | 10 |
| 32 | 2 | S02S20 | S02S60 | S02S10 | S02S90 | S02S00 | S02S40 | S02S80 | 10 |
| 32 | 3 | S12S20 | S12S60 | S12S10 | S12S90 | S12S00 | S12S40 | S12S80 | 10 |



| Poles | 2 | 3 | 2 | 3 |
|-----------------|------|------|------|------|
| Ampere | 16 | | 32 | |
| a | 135 | 135 | 135 | 135 |
| b | 71 | 71 | 71 | 71 |
| c | 51 | 51 | 51 | 51 |
| K | 8-24 | 8-24 | 8-24 | 8-24 |
| Weight [g/each] | 157 | 169 | 157 | 169 |

Plug

watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts



| Voltage | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | |
|-------------|------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Frequency | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| Designation | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Pole | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | S01S25 | S01S65 | S01S15 | S01S95 | S01S05 | S01S45 | S01S85 | 10 |
| 16 | 3 | S11S25 | S11S65 | S11S15 | S11S95 | S11S05 | S11S45 | S11S85 | 10 |
| 32 | 2 | S02S25 | S02S65 | S02S15 | S02S95 | S02S05 | S02S45 | S02S85 | 10 |
| 32 | 3 | S12S25 | S12S65 | S12S15 | S12S95 | S12S05 | S12S45 | S12S85 | 10 |



| | | | | | |
|------------------------|---------------|-----------|----------|-----------|----------|
| | Poles | 2 | 3 | 2 | 3 |
| | Ampere | 16 | | 32 | |
| a | 106 | 106 | 106 | 106 | |
| b | 77 | 77 | 77 | 77 | |
| Weight [g/each] | 158 | 174 | 158 | 174 | |

Wall-mounted inlet

splash-proof IP44

- cable entry above, below or behind

All wall-mounted inlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. G01V20.

| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V= | |
|--------|-------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | G01S20 | G01S60 | G01S10 | G01S90 | G01S00 | G01S40 | G01S80 | 10 |
| 16 | 3 | G11S20 | G11S60 | G11S10 | G11S90 | G11S00 | G11S40 | G11S80 | 10 |
| 32 | 2 | G02S20 | G02S60 | G02S10 | G02S90 | G02S00 | G02S40 | G02S80 | 10 |
| 32 | 3 | G12S20 | G12S60 | G12S10 | G12S90 | G12S00 | G12S40 | G12S80 | 10 |



| | | | | | |
|------------------------|---------------|-----------|----------|-----------|----------|
| | Poles | 2 | 3 | 2 | 3 |
| | Ampere | 16 | | 32 | |
| a and b | 70 | 70 | 70 | 70 | |
| c and d | 56 | 56 | 56 | 56 | |
| e | 19 | 19 | 19 | 19 | |
| f | 28 | 28 | 28 | 28 | |
| g | 5 | 5 | 5 | 5 | |
| h | 43 | 43 | 43 | 43 | |
| Weight [g/each] | 74 | 86 | 74 | 86 | |

Appliance inlet, straight

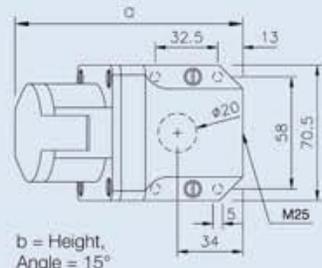
splash-proof IP44

Notice acc. to EN 60309: for correct use, a retaining lug or retaining slot is necessary.

All appliance inlets are also available with **nickel-plated** contacts.
Add a "V" instead of the "S" to the article number e.g. A01V22.

| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V= | |
|--------|-------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | A01S22 | A01S62 | A01S12 | A01S92 | A01S02 | A01S42 | A01S82 | 10 |
| 16 | 3 | A11S22 | A11S62 | A11S12 | A11S92 | A11S02 | A11S42 | A11S82 | 10 |
| 32 | 2 | A02S22 | A02S62 | A02S12 | A02S92 | A02S02 | A02S42 | A02S82 | 10 |
| 32 | 3 | A12S22 | A12S62 | A12S12 | A12S92 | A12S02 | A12S42 | A12S82 | 10 |



| | | | | | |
|---|---------------|-----------|----------|-----------|----------|
|  | Poles | 2 | 3 | 2 | 3 |
| | Ampere | 16 | | 32 | |
| | a | 119 | 119 | 119 | 119 |
| | b | 84,5 | 84,5 | 84,5 | 84,5 |
| Weight [g/each] | | 194 | 214 | 194 | 214 |

Wall-mounted socket outlet
splash-proof IP44

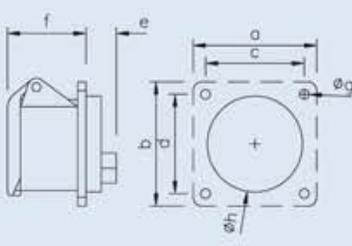
- cable entry above, below or behind

All wall-mounted socket outlets are also available with **nickel-plated** contacts.

Add a "V" instead of the "S" to the article number e.g. D01V20.

| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | |
|--------|------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Pole | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | D01S20 | D01S60 | D01S10 | D01S90 | D01S00 | D01S40 | D01S80 | 10 |
| 16 | 3 | D11S20 | D11S60 | D11S10 | D11S90 | D11S00 | D11S40 | D11S80 | 10 |
| 32 | 2 | D02S20 | D02S60 | D02S10 | D02S90 | D02S00 | D02S40 | D02S80 | 10 |
| 32 | 3 | D12S20 | D12S60 | D12S10 | D12S90 | D12S00 | D12S40 | D12S80 | 10 |



| | | | | | | |
|---|------------------------|-----------|----------|-----------|----------|-----|
|  | Poles | 2 | 3 | 2 | 3 | |
| | Ampere | 16 | | 32 | | |
| | a and b | 70 | 70 | 70 | 70 | |
| | c and d | 56 | 56 | 56 | 56 | |
| | e | 19 | 19 | 19 | 19 | |
| | f | 40 | 40 | 40 | 40 | |
| | g | 5,5 | 5,5 | 5,5 | 5,5 | |
| | h | 43 | 43 | 43 | 43 | |
| | Weight [g/each] | | 112 | 132 | 112 | 132 |

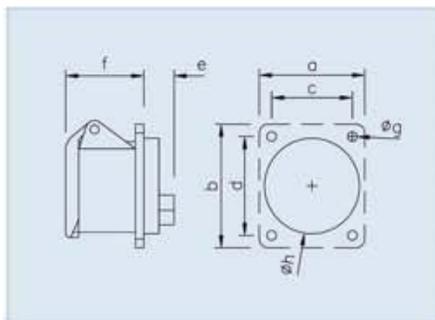
Panel-mounted socket outlet, straight

splash-proof IP44

All panel-mounted socket outlets are also available with **nickel-plated** contacts.

Add a "V" instead of the "S" to the article number e.g. F01V201.

| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | |
|--------|------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Pole | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | F01S201 | F01S601 | F01S101 | F01S901 | F01S001 | F01S401 | F01S801 | 10 |
| 16 | 3 | F11S201 | F11S601 | F11S101 | F11S901 | F11S001 | F11S401 | F11S801 | 10 |
| 32 | 2 | F02S201 | F02S601 | F02S101 | F02S901 | F02S001 | F02S401 | F02S801 | 10 |
| 32 | 3 | F12S201 | F12S601 | F12S101 | F12S901 | F12S001 | F12S401 | F12S801 | 10 |



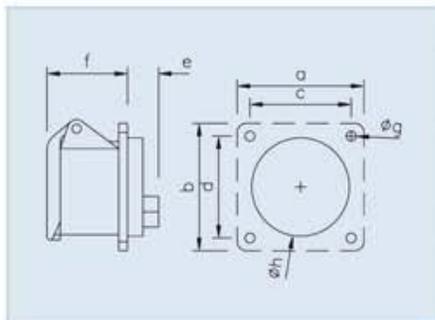
| | | |
|-----------------|-----|-----|
| Poles | 2 | 2 |
| Ampere | 16 | 32 |
| Flange a | 60 | 60 |
| Flange b | 70 | 70 |
| Hole spacing c | 47 | 47 |
| Hole spacing d | 53 | 53 |
| e | 19 | 19 |
| f | 28 | 28 |
| g | 5 | 5 |
| h | 43 | 43 |
| Weight [g/each] | 112 | 112 |

Panel-mounted socket outlet, straight

splash-proof IP44

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F01V202.

| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V= | |
|--------|------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Pole | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | F01S202 | F01S602 | F01S102 | F01S902 | F01S002 | F01S402 | F01S802 | 10 |
| 32 | 2 | F02S202 | F02S602 | F02S102 | F02S902 | F02S002 | F02S402 | F02S802 | 10 |



| | | |
|-----------------|-----|-----|
| Poles | 3 | 3 |
| Ampere | 16 | 32 |
| a and b | 55 | 55 |
| c and d | 41 | 41 |
| e | 19 | 19 |
| f | 45 | 45 |
| g | 5 | 5 |
| h | 43 | 43 |
| Weight [g/each] | 132 | 132 |

Panel-mounted socket outlet, straight

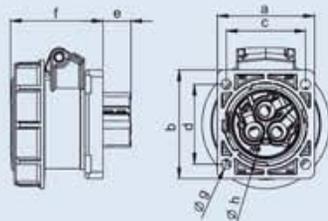
splash-proof IP44

All panel-mounted socket outlets are also available with **nickel-plated** contacts. Add a "V" instead of the "S" to the article number e.g. F11V204.

| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V= | |
|--------|------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Pole | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 3 | F11S204 | F11S604 | F11S104 | F11S904 | F11S004 | F11S404 | F11S804 | 10 |
| 32 | 3 | F12S204 | F12S604 | F12S104 | F12S904 | F12S004 | F12S404 | F12S804 | 10 |



| | | | | | |
|--|------------------------|-----------|----------|-----------|----------|
| | Poles | 2 | 3 | 2 | 3 |
| | Ampere | 16 | | 32 | |
| | a | 54 | 54 | 54 | 54 |
| | b | 60 | 60 | 60 | 60 |
| | c | 44 | 44 | 44 | 44 |
| | d | 44 | 44 | 44 | 44 |
| | e | 16 | 16 | 16 | 16 |
| | f | 51 | 51 | 51 | 51 |
| | g | 6 | 6 | 6 | 6 |
| | h | 42 | 42 | 42 | 42 |
| | Weight [g/each] | 137 | 156 | 137 | 156 |



**Panel-mounted socket outlet,
straight**

watertight IP67

- screw terminals
- quick release locking system (turn2fix)
- nickel-plated contacts



| | | 24 V~ | 42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V~ | 24/42 V= | |
|--------|-------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | 50/60 Hz | 50/60 Hz | 100-200 Hz | 300 Hz | 400 Hz | 401-500 Hz | DC | |
| | | without auxiliary notch | 12h | 4h | 2h | 3h | 11h | 10h | |
| Ampere | Poles | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. | Packing unit |
| 16 | 2 | F01S254 | F01S654 | F01S154 | F01S954 | F01S054 | F01S454 | F01S854 | 10 |
| 16 | 3 | F11S254 | F11S654 | F11S154 | F11S954 | F11S054 | F11S454 | F11S854 | 10 |
| 32 | 2 | F02S254 | F02S654 | F02S154 | F02S954 | F02S054 | F02S454 | F02S854 | 10 |
| 32 | 3 | F12S254 | F12S654 | F12S154 | F12S954 | F12S054 | F12S454 | F12S854 | 10 |

Well equipped for safety when on the move

**Maximum mobility and optimal electric supply
are two factors that are indivisible today.**

Those travelling with caravans, campers or boats do not want to do without comforts of home and want to utilise the modern features available at moorings and camping sites.

CEE plugs and socket outlets provide the ideal solution at the highest level of quality and safety for these special applications. Our products also prove themselves with their flexibility and versatility of use.

For caravans, campers and boats, ABL SURSUM also offers a complete range of products for all other types of supply available such as gas, water or even antenna signals.

We would be happy to show you all the possibilities.

Caravan and boat Plugs and socket outlets



Caravan wall-mounted inlet

splash-proof IP44

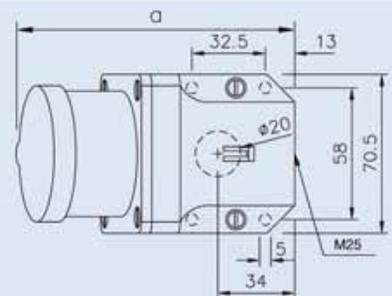
- with self-closing hinged lid with seal, 16A 3p 230V

Article no. G31S21

Packing unit: 10 pieces

nickel-plated contacts:

Article no. G31V21



b=Height
Angle=15°
a: 128 mm
b: 92 mm
Weight.: 240 gr



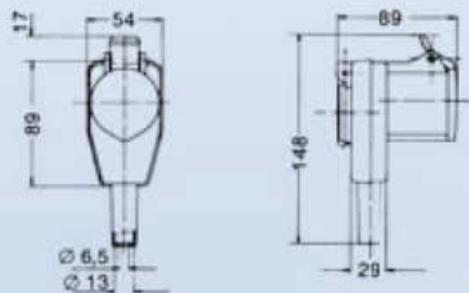
Caravan angle connector

splash-proof IP44

- with integrated SCHUKO socket outlet 16A 3p 230V

Article no. 1072050

Packing unit: 10 pieces



Caravan adapter

IP20

- SCHUKO plug with 2 earthing systems / CEE socket outlet
- nickel-plated contacts

Article no. ADPS312

Packing unit: 10 pieces

turn2fix

Input:

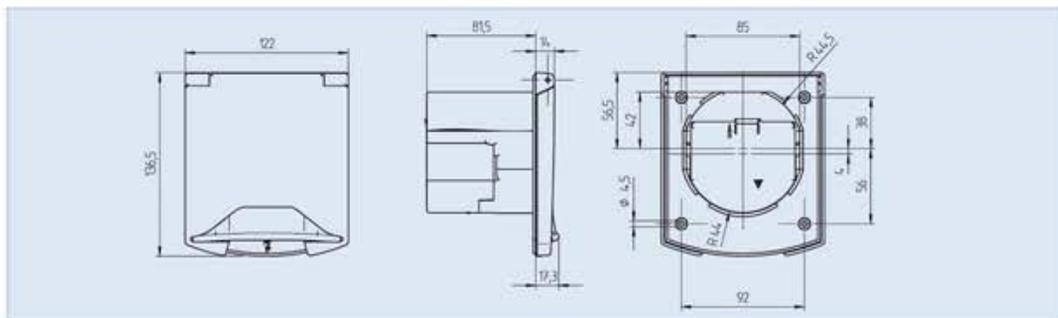
1 plug 16A 2p+E 250V
(with 2 earthing systems)

Output:

1 CEE socket outlet 16A 3p 230V



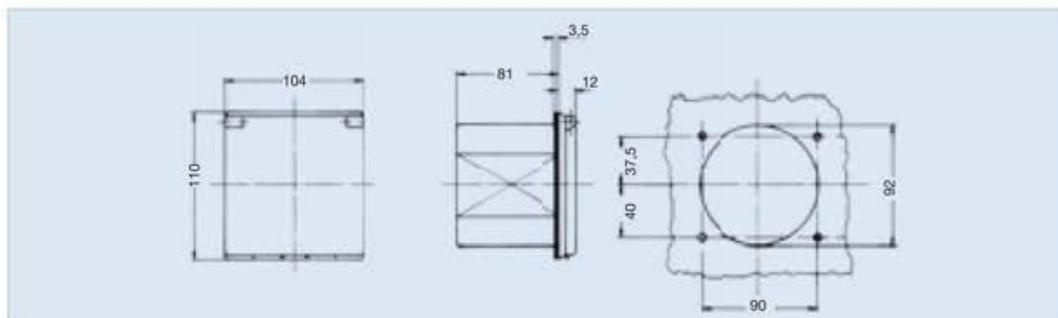
Infeed plug
splash-proof IP44
UV-resistant



| | | | | | |
|--------------------|--------------|--------------------|---------------|------------------------|---------------------|
| Voltage | | 230 V~ | | | |
| Designation | | 6h | | | |
| Ampere | Poles | Article no. | Colour | Weight [g/each] | Packing unit |
| 16 | 3 | 1164200 | black | 264 | 10 |
| 16 | 3 | 1164010 | white | 264 | 10 |



Infeed plug
splash-proof IP44



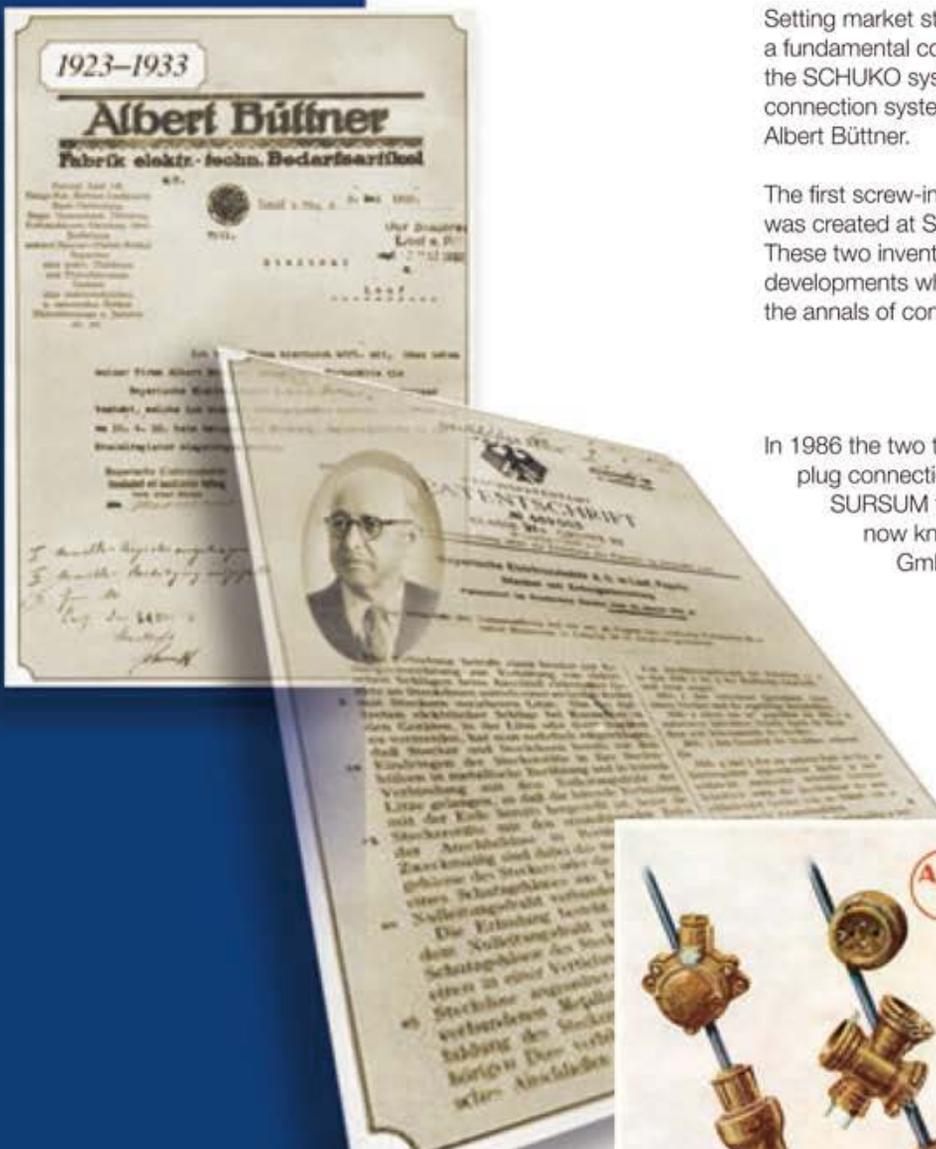
| | | | | | |
|--------------------|--------------|--------------------|---------------|------------------------|---------------------|
| Voltage | | 230 V~ | | | |
| Designation | | 6h | | | |
| Ampere | Poles | Article no. | Colour | Weight [g/each] | Packing unit |
| 16 | 3 | 1154200 | black | 213 | 10 |
| 16 | 3 | 1154210 | white | 213 | 10 |

Where innovation is a tradition

Setting market standards with new developments has always been a fundamental concern for ABL SURSUM. Such is the idea behind the SCHUKO system, to this day one of the most popular plug connection systems in the world and the creation of ABL founder Albert Büttner.

The first screw-in circuit breaker with an electromagnetic release was created at SURSUM, founded in 1912 by Wilhelm Leyhausen. These two inventions were the prelude to a series of innovative developments which have given the two companies a central role in the annals of consumer electronics for decades.

In 1986 the two traditional medium-sized companies merged; plug connection specialist ABL and circuit breaker specialist SURSUM formed one highly productive company – now known as ABL SURSUM Bayerische Elektrozubehör GmbH & Co.KG.



The product range of ABL SURSUM



Regardless of whether you need building installation, industrial installation, switchgear manufacturing or cable pre-assembly: Whatever you need, you can be sure that you will find the right solution in our extensive range of approx. 7,000 products.

If you need a specific solution, let us know – our experts will find it!

New products for new market requirements

Even today, ABL SURSUM is continuously developing new innovative market-driven products to ensure constant development of installation technology.

We meet the daily installation demands for ever more effectiveness and speed with our screwless clamping technology "plug2power", to be found in our **miniature circuit breakers, our distribution boards, CEE plug connections, socket outlets and outlet boxes.**

Our new generation of miniature circuit breakers, with their completely new design and technology, are divided into the three product ranges S, SL and T, and allow us to offer you numerous advantages in terms of functionality, compatibility, and quality. This has created an ideal complete system for the wide-ranging installation requirements for both craftsmen and industry. These products are so attractive because of the low height, clear design, clearly legible labels and the new mounting system, which allows for removing from a busbar combination - below ("singlefix") with the S and SL series and both above and below with the T series ("twinfix").



Miniature circuit breakers are also available as UL 508 and CSA-22.2 No.14 versions with the B, C, D, E, G and Z characteristics.





RCCBs, RCBOs

ABL SURSUM offers an extensive range of RCCBs to provide protection from dangerous shock currents or as fire-protection measures.

Regardless of whether you need a short-time delayed switch-off e.g. for the operation of suppressor capacitors or need a selective switch-off, whether it needs to be sensitive to pulsating current or universal current, you will find what you need in our range.

Combined RCBOs offer the possibility of implementing these person and line protection measures in one device.



DIN rail panel products

Off and toggle switches, 1 or multiple poles, with or without light signals, buttons, SCHUKO sockets for DIN-rails, installation/storage/control and time relays, mechanical impulse switches, touch dimmers, network activators, installation contactors, staircase lighting timers, time switches and transformers – our range of DIN rail panel products is as varied as the requirements of modern domestic installation.

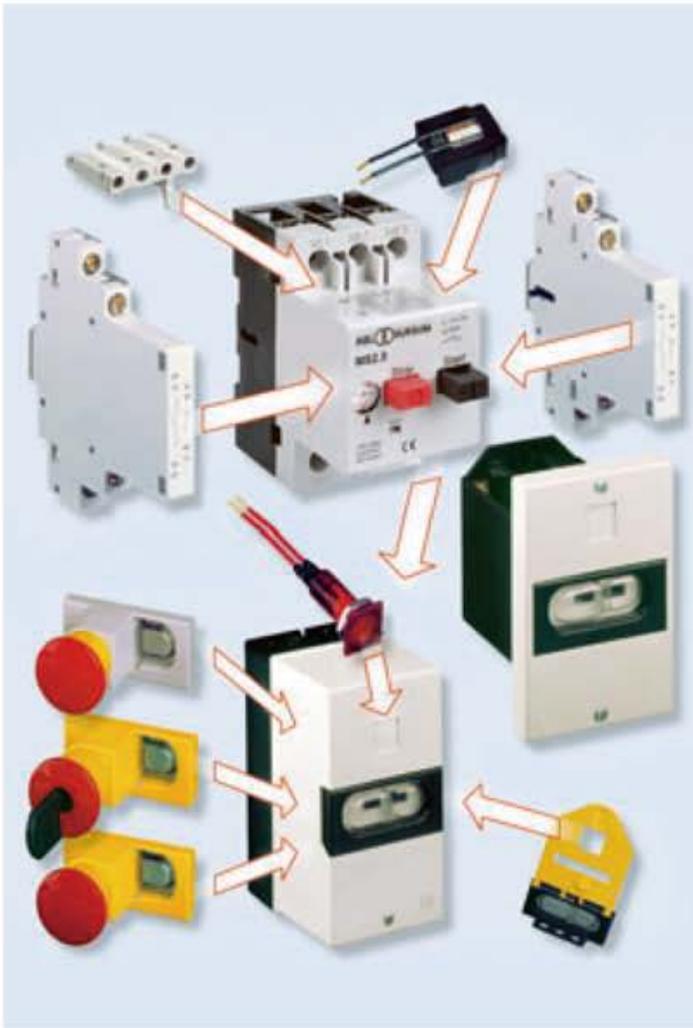
MADE IN GERMANY 





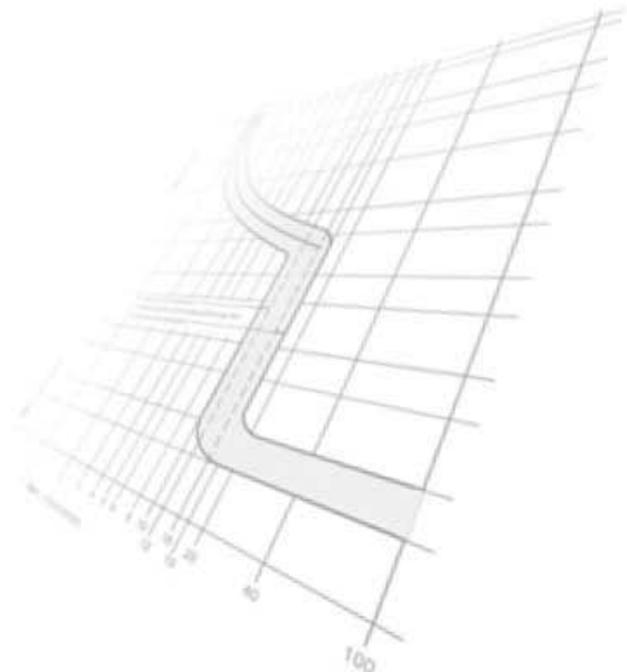
Distribution boards

And to make sure that these DIN rail panel products can be installed in a proper manner and more importantly as specified, we of course also supply distribution boards in different sizes and versions.



Motor protective circuit breakers

Motor protective circuit breakers to be installed internally or externally, in MS or MA versions for all kinds of purposes, each with extensive system accessories - as well as transformer protective circuit breakers, are also an important part of ABL SURSUM's catalogue.





Socket outlet combinations, socket outlet cases, free-standing distribution units and power cubes

Large variation for a large variety of different uses is what sets this extensive ABL SURSUM product range apart.

Almost unlimited combination possibilities with CEE and SCHUKO socket outlets in the degrees of protection IP44 and IP67, as well as the protection provided by high performance RCCBs and miniature circuit breakers, can be manufactured for almost every individual need.

And with the sockets available in many different country versions, our combinations are also very well suited for international use.

These combinations from ABL SURSUM are available in different versions: stationary, mobile and for suspension. The housings are made of high-quality thermoplastics in different qualities or from solid rubber and combine excellent mechanical, thermal and electric characteristics.



Floor socket outlets

Rooms are more and more often planned down to the smallest detail. Our exclusive Design socket outlets are made from cast-aluminium-bronze and fit ideally into all sophisticated office and living quarters and come in different sizes and colours.

We also supply floor socket outlets in die-cast aluminium.

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