# GHG 51 Ex-Plugs and Receptacles with Status LED

1 From 16 A - 125 A for zone 1, 2, 21 and 22

## Operating conditions at a glance

The integrated white LED with green coloured lens indicates different operating conditions of the used type of wall socket.

Type Line:
Indicates, when the wall socket is connected to mains
Type Load:
Indicates, when the plug is correctly inserted and switched
CEAG plugs and receptacles offer more, apart from the proven technology, this product series is defined by its innovative details. For example, the very efficient cable strain relief or the coding system of the various versions offers different solutions for a secure and problem-free utilization in all areas.
The CEAG wall socket for instance can be mounted on to the pre-installed mounting frame without having to use tools – installation without a hot work permit.

**Features**

- **Interlocking switch design**
- **Easy plug-in & diconnect**
- **Self-cleaning multi-lamella contact design with low transition resistance**
- **High level of ingress protection (IP66) even in its plugged-in state**
- **High durability and chemical resistance**
- **Wide product range for international applications: 16 A - 125 A Series 1**
- **Fully compatible with existing plugs of the proven GHG 51 ... series...**

Wall socket 125 A

Wall socket 63 A

Wall socket 32 A

Wall socket 16 A

## Technical data

| | Ex-wall socket 16 A- 125 A acc. to IEC 60309-1/2 up to 690 V |
|---|---|
| Marking accd. to 2014/34/EU | Ⓔx D II 2 G Ex ed IIC T6 / Ⓔx D II 2 D Ex tD A21 IP66 T80°C |
| Permissible ambient temperature | -20 °C to +40 °C [1] |
| Rated voltage | 230/400 V AC |
| Frequency | 50/60 Hz |
| Protection class | I |
| Degree of protection accd. to EN 60529 | IP66 |
| Enclosure material | glass-fibre reinforced polyester |

| | Wall socket 16 A |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1039 |
| Rated making / Rated breaking capacity | AC-3 accd. EN 60947-3: $U_e$ 690 V / $I_e$ 16 A |
| Cable entry | 1 x M25 cable gland, 1 x M25 thread plug plastic |
| Rated current | 16 A |
| External back-up fuse, max. | without therm. protection: 16 A/ with therm. protection 35 A gG (rated current 16 A set to) |
| Connecting terminals | 2 x 1.5 - 4 mm² |

| | Wall socket 32 A |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| IECEx Certificate of conformity | IECEx BKI 06.0007 |
| Marking accd. to IECEx | Ex de ia/ib m [ia/ib] IIC T4…T6 |
| Rated making / Rated breaking capacity | AC-3 accd. EN 60947-3: Ue 690 V / Ie 32 A |
| Cable entry | 1 x M40 cable gland, 1 x M40 thread plug plastic |
| Rated current | 32 A |
| External back-up fuse, max. | without therm. protection: 32 A/ with therm. protection 50 A gG (rated current 32 A set to) |
| Connecting terminals | 2 x 4 - 10 mm² |

| | Wall socket 63 A |
|---|---|
| EC-Type Examination Certificate | PTB 00 ATEX 1070 |
| Rated making / Rated breaking capacity | AC-3 accd. EN 60947-3: Ue 690 V / Ie 63 A |
| Cable entry | 1 x M50 cable gland, 1 x M50 thread plug plastic |
| Rated current | 63 A |
| External back-up fuse, max. | without therm. protection: 63 A/ with therm. protection 80 A gG (rated current 63 A set to) |
| Connecting terminals | 2 x 4 - 25 mm² |

| | Wall socket 125 A |
|---|---|
| EC-Type Examination Certificate | PTB 01 ATEX 1069 |
| Rated making / Rated breaking capacity | AC-3 accd. EN 60947-3: Ue 690 V / Ie 125 A |
| Cable entry | 1 x M63 cable gland, 1 x M63 thread plug plastic |
| Rated current | 125 A |
| External back-up fuse, max. | without therm. protection: 125 A/ with therm. protection 125 A gG (rated current 125 A set to) |
| Connecting terminals | 2 x 4 - 70 mm² |

[1] extended temperature range on request

Details for used cable glands see pages 2.3.ff

Wall socket 16 A

Wall socket 32 A

Wall socket 63 A

Wall socket 125 A

## Ordering details 16/32/63/125 A 3-pole, 4-pole and 5-pole up to 415V

| Voltage | h | Type | Weight approx. | Order No. |
|---|---|---|---|---|
| **Type 16 A line** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 3 pole | 1.3 kg | **GHG 511 4304 R0301** |
| 200 V - 250 V | 6 h | Wall socket - 3 pole | 1.3 kg | **GHG 511 4306 R0301** |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 1.9 kg | **GHG 511 4504 R0301** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 1.9 kg | **GHG 511 4506 R0301** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 1.9 kg | **GHG 511 4508 R0301** |
| **Type 16 A load** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 3 pole | 1.3 kg | **GHG 511 4304 R0351** |
| 200 V - 250 V | 6 h | Wall socket - 3 pole | 1.3 kg | **GHG 511 4306 R0351** |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 1.9 kg | **GHG 511 4504 R0351** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 1.9 kg | **GHG 511 4506 R0351** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 1.9 kg | **GHG 511 4508 R0351** |
| **Type 32 A line** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 2.8 kg | **GHG 619 0001 R0001** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 2.8 kg | **GHG 619 0001 R0002** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 2.8 kg | **GHG 619 0001 R0003** |
| **Type 32 A load** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 2.8 kg | **GHG 619 0001 R0004** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 2.8 kg | **GHG 619 0001 R0005** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 2.8 kg | **GHG 619 0001 R0006** |
| **Type 63 A line** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 8.2 kg | **GHG 514 4504 R0301** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 8.2 kg | **GHG 514 4506 R0301** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 8.2 kg | **GHG 514 4508 R0301** |
| **Type 63 A load** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 8.2 kg | **GHG 514 4504 R0351** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 8.2 kg | **GHG 514 4506 R0351** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 8.2 kg | **GHG 514 4508 R0351** |
| **Type 125 A line** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 12.6 kg | **GHG 515 4504 R0301** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 12.6 kg | **GHG 515 4506 R0301** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 12.6kg | **GHG 515 4508 R0301** |
| **Type 125 A load** | | | | |
| 110 V - 130 V | 4 h | Wall socket - 5 pole | 12.6 kg | **GHG 515 4504 R0351** |
| 380 V - 415 V | 6 h | Wall socket - 5 pole | 12.6 kg | **GHG 515 4506 R0351** |
| 380 V - 415 V | 8 h | Wall socket - 5 pole | 12.6 kg | **GHG 515 4508 R0351** |

Other voltage ranges and h-codes on request.

Wall socket 16 A

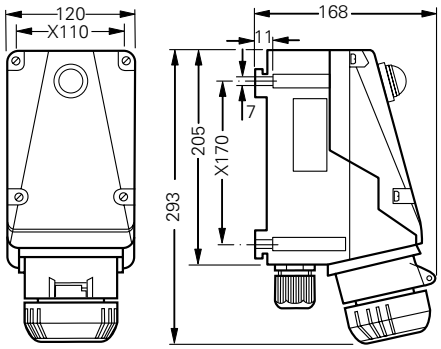
Wall socket 32 A

Wall socket 63 A

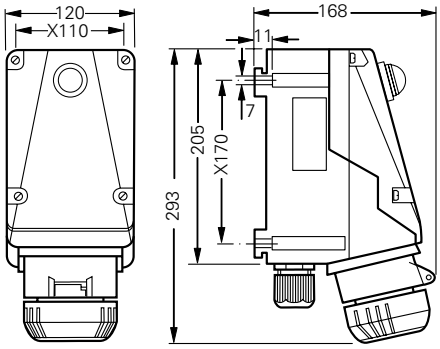
Wall socket 125 A



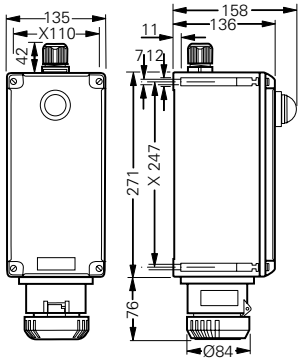
## Dimension drawing I Wiring diagram



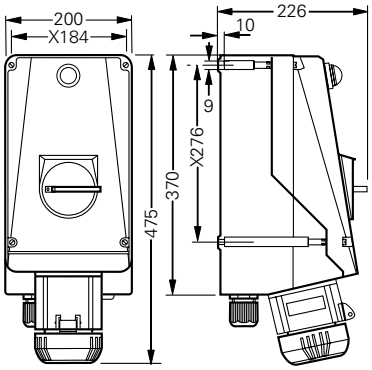

Wall socket 16 A 3-pole



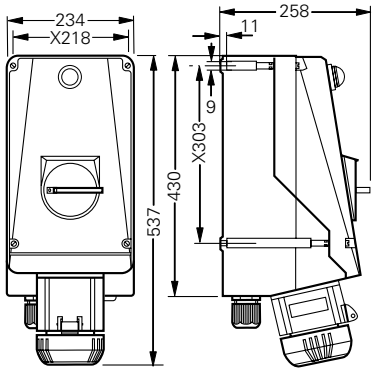

Wall socket 16 A 5-pole




Wall socket 32 A 5-pole

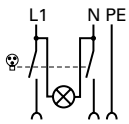



Wall socket 63 A 5-pole

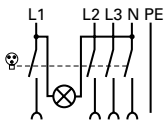



Wall socket 125 A 5-pole

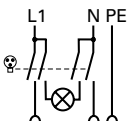
X = fixing dimensions



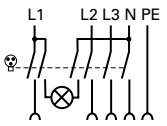

2-pole.+PE Line




3-pole.+N+PE Line




2-pole.+PE LOAD




3-pole.+N+PE LOAD

Dimensions in mm

# Ex wall sockets with RCD/MCB

Plastic enclosures with integrated RCD/MCB from 16 A to 32 A for explosive gas atmospheres in Zones 1 and 2 and explosive dust atmospheres in Zones 21 and 22

The new explosion-proof wall sockets with integrated protective device (RCD/MCB) allows a local, customized protection of the connected equipment. It ensures a proper function when an error occures due to short cable distances, shortens distances and allows a fast reaction after a fault.

## On-site safety

**When safety comes first**

Especially in industrial environments with their numerous sources of danger, the protection of persons always comes first. Here, an RCD/MCB that is connected directly upstream from the end consumers is the optimal solution. With a tripping current of 10- 500 mA, it provides safe protection against serious injuries due to an electric shock in the event of a fault of the connected equipment. With the built-in RCD/MCB, the feed line and the end unit can be protected individually to suit the required load.

**Your safety during maintenance work**

With the new RCD/MCB sockets even individual work areas can be isolated with utmost precision while maintenance work is carried out. In the event of a fault, only the area affected is switched off – all other areas remain fully functional! In addition, individual areas can be switched off manually and safeguarded against being switched on accidentally with the padlocking facility.

**No problems even with long cable lengths:**

The reason for the problems is that with increasing cable length the loop impedance increases. An increased resistance extends the release time of a circuit breaker (fuse) or cancels the protection effect.By using the RCD/MCB, integrated directly into the wall socket, the cable lengths are shortened to the load and minimizes the circuit malfunction.

**So that you can react quickly**

The RCD/MCB sockets allow direct, on-site access to the safety devices. As a result, you can act more flexibly and your reaction times are reduced drastically.

**Well thought-out – down to the last detail**

The concept of the new RCD/MCB sockets is based on our tried-and-tested enclosure concept in conjunction with our robust flange sockets and the built-in Ex-components, that can be operated easily at any time via an actuating flap.

**Features**

- New standard for Ex wall sockets with personal protection
- Standard enclosures to suit various requirements
- Lockable, hinged MCB cover
- RCD/MCB 10- 500 mA
- Product series with 16 A and 32 A rated current
- High degree of protection IP 66

# Technical data / Dimension drawing / Ordering details

Wall sockets for explosive gas atmospheres in Zones 1 and 2 and explosive dust atmospheres in Zones 21 and 22

## Technical data

| | |
|---|---|
| Marking to 94/9/EC | Ex II 2 G Ex de IIC T4<br>Ex II 2 D Ex tD A21 IP66 T80 °C |
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| IECEx certification of conformity | IECEx BKI 06.007 |
| IECEx type of protection | Ex de IIC T4<br>Ex tD A21 IP66 T80 °C |
| Permissible ambient temperature | -20 °C up to +40 °C [2]) |
| Rated voltage | 24V / 130V / 230V / 400V (AC) |
| Rated current | 16A / 32A |
| Connecting terminals | 16A: 2 x 6mm² / 32A: 2 x 16mm² |
| Cable glands | 2 x M25 x 1,5 (16 A) / 2 x M40 x 1,5 (32 A) |
| Insulation class | I |
| Degree of protection accd. EN 60529 | IP66 |
| Enclosure material | Enclosure: Glass-fibre reinforced polyester[1])/ Flange socket: Polyamid |

## Ordering details

| Type | Rated current | Rated voltage | Pole / h | Fuse | Order-No. |
|---|---|---|---|---|---|
| Typ 1 | 16 A | 130 V | 3-pol, 4 h | RCD/MCB 16A 30mA | **GHG6190001R0007** |
| Typ 1 | 16 A | 24 V | 3-pol, 8 h | RCD/MCB 16A 30 mA | **GHG6190001R0008** |
| Typ 1 | 16 A | 250 V | 3-pol, 6 h | RCD/MCB 16A 30mA | **GHG6190001R0009** |
| Typ 2 | 16 A | 130 V | 5-pol, 4 h | RCD/MCB 16A 30mA | **GHG6190001R0010** |
| Typ 2 | 16 A | 400 V | 5-pol, 6 h | RCD/MCB 16A 30mA | **GHG6190001R0011** |
| Typ 3 | 32 A | 130 V | 5-pol, 4 h | RCD/MCB 32A 30mA | **GHG6190001R0013** |
| Typ 3 | 32 A | 400 V | 5-pol, 6 h | RCD/MCB 32A 30mA | **GHG6190001R0014** |

[1]) Further types on request (other RCD/MCB; other enclosure materials GRP/stainless steel
[2]) Entended temperature range om request

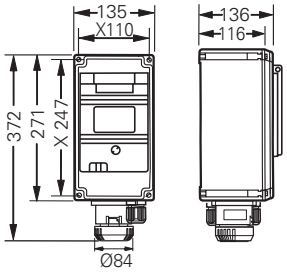
**Type 1**

**Type 2**

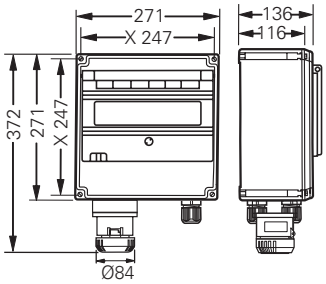
**Type 3**

## Dimension drawings

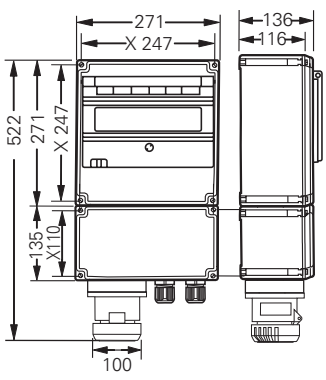
**Type 1**




**Type 2**




**Type 3**



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# Facilitate your Maintenance in Hazardous Areas

## Portable Solutions for Energy Distribution and Illumination

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# Product Solutions

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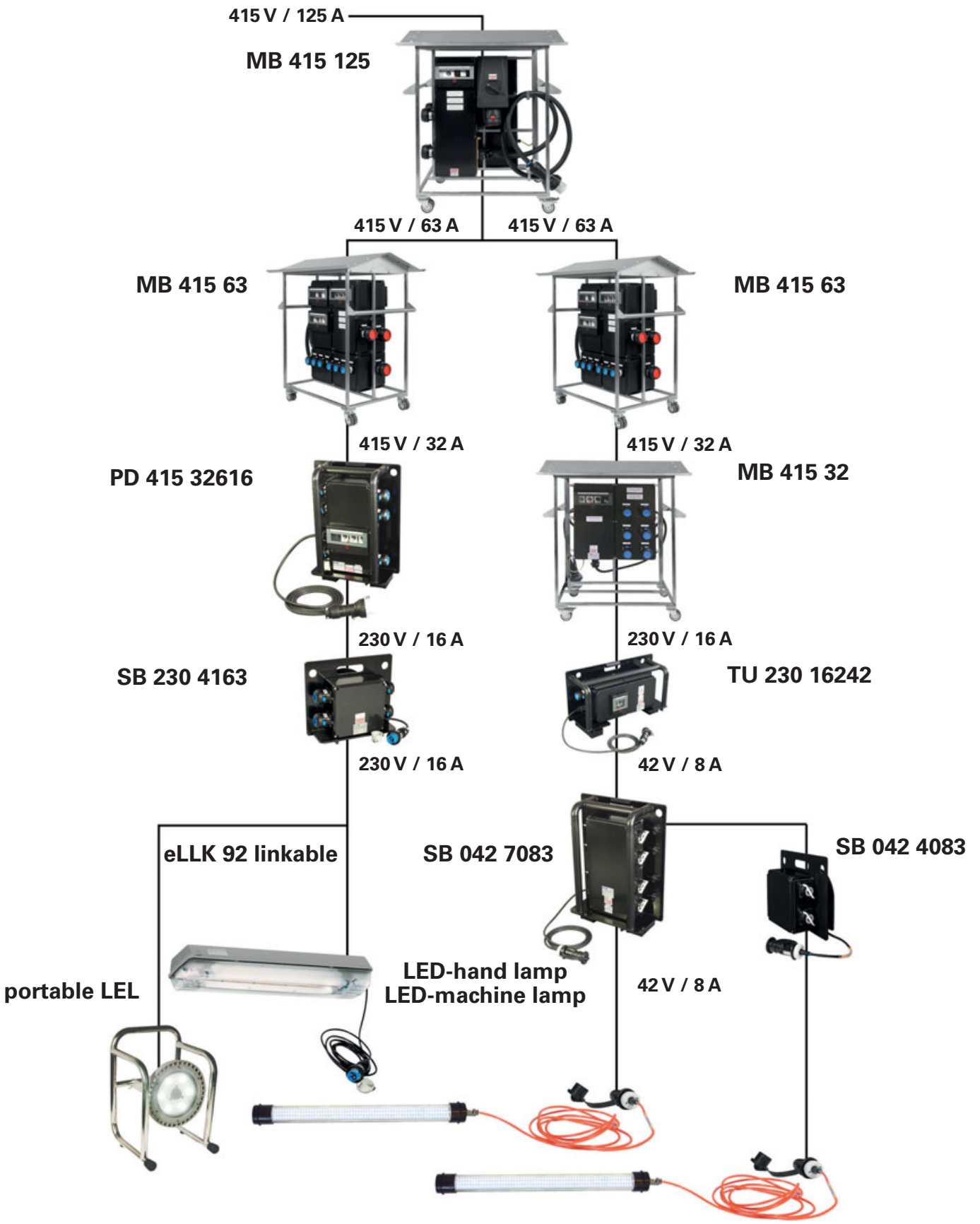
## Table of Content

# Concept

Modular concept for an integrated power distribution with innovative lighting solutions



# Mobile Power Supply Distribution

Explosion-protected main distribution type MB

**The mobile main power distributions fulfil the high mechanical explosion protection requirements by means of a high-strength protective framework made of stainless steel (1.4301) and enclosures that have been specially developed for this purpose.**

**As a series product, sizes from 16 A up to 125 A are possible. All the electrical outgoing circuits can be fitted with separate MCBs or RCDs.**

**The housings are made of fibreglass reinforced polyester (GRP), which makes them ideal for harsh environments.**

**The enclosures are fitted with flange sockets that fulfil the high requirements of the degree of protection IP 66, even with plugs inserted.**

**Technical data: Main Power Distribution Type MB**

| | |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex d e IIC T4 Gb<br>Ⓔx II 2 D Ex tb IIIC T80°C Db |
| IECEx Certificate of Conformity | IECEx BKI 06.0007 |
| Marking accd. to IECEx | Ex de IIC T4 / Ex tD A21 IP66 T80°C |
| Rated voltage | 400 V/230 V 50 Hz |
| Control voltage | 230 V 50 Hz |
| Permissible ambient temperature | - 20 °C up to +55 °C |
| Weight | see ordering details |
| Degree of protection accd. to EN 60529 | IP66 |
| Connecting cable | H07RN-F |
| Enclosure material | Glass-fibre reinforced polyester (GRP) |

- **ATEX/IECEx-certified for gas- and dust atmospheres (Zone 1, 2, 21 and 22)**
- **Personal protection with RCD / MCB (selectivity of residual current circuit breakers). This means that an elevated fire protection is achieved with type "B"**
- **Compact, flexible and portable Configuration**
- **AC3 rated breaking capacity**
- **High-strength stainless steel protection framework (1.4301)**

# Mobile Power Supply Distribution

## Explosion-protected main distribution Type MB

**Ordering details Type MB 415 125**

| Type | Cable length | Weight | Input | Output | Content | Order No. |
|---|---|---|---|---|---|---|
| MD415125 | 3 m | 80 kg | 125 A 5 pol. 415 V 6h | 2 x 5-pole 63 A 415 V | 2 x MCB 63 A + FI 63 A 30 mA | **EXKO 23801 B1101** |
| | | | | 3 x 3-pole 16 A 230 V | 3 x FILS C 16 A 30 mA | |

**Ordering details Type MB 415 63... 1**

| Type | Cable length | Weight | Input | Output | Content | Order No. |
|---|---|---|---|---|---|---|
| MD41563 | 3 m | 88 kg | 63 A 5 pol. 415 V 6h | 1 x 5-pole 63 A 415 V | 1 x MCB 63 A + FI 63 A 30 mA | **EXKO 238001 B1201** |
| | | | | 3 x 5-pole 32 A 415 V | 3 x MCB 32 A + FI 40 A 30 mA | |
| | | | | 6 x 3-pole 16 A 230 V | 6 x FILS C 16 A 30 mA | |

**Ordering details Type MB 415 63... 2**

| Type | Cable length | Weight | Input | Output | Content | Order No. |
|---|---|---|---|---|---|---|
| MD41563 | 3 m | 70 kg | 63 A 5 pol. 415 V 6h | 3 x 5-pole 32 A 415 V | 3 x MCB 32 A + FI 40 A 30 mA | **EXKO 238001 B1202** |
| | | | | 6 x 3-pole 16 A 230 V | 6 x FILS C 16 A 30 mA | |

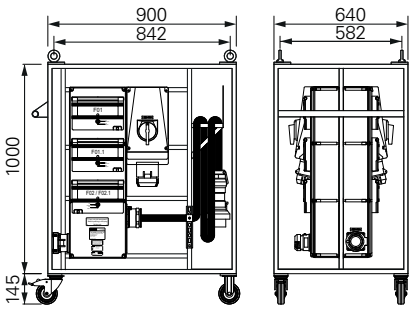
**Ordering details Type MB 415 32**

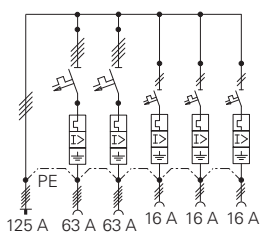
| Type | Cable length | Weight | Input | Output | Content | Order No. |
|---|---|---|---|---|---|---|
| MD41532 | 5 m | 37 kg | 32 A 5-pole 415 V 6h | 6 x 3-pole16 A 230 V | 6 x FILS C 16 A 30 mA | **EXKO 238001 B1301** |

**Accessories for Type MB 415...**

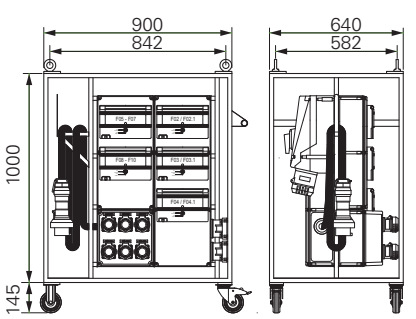
| Type | Order No. |
|---|---|
| protective canopy | **GHG 907 1905 R9010** |

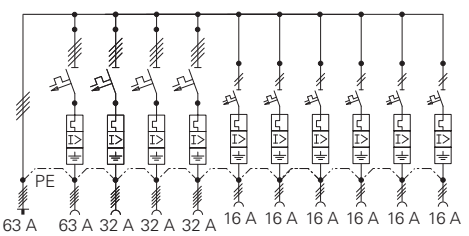
### Dimension drawing / wiring diagram



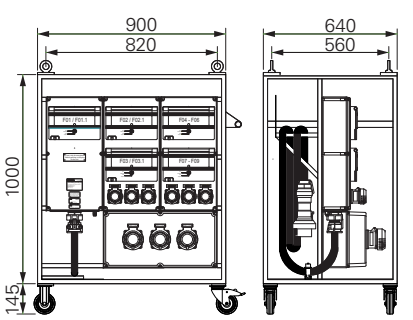



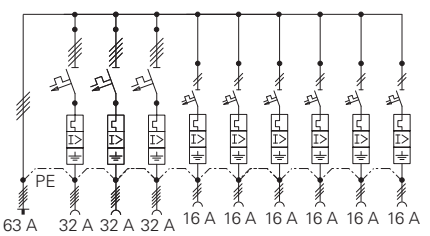

**type MD415125**



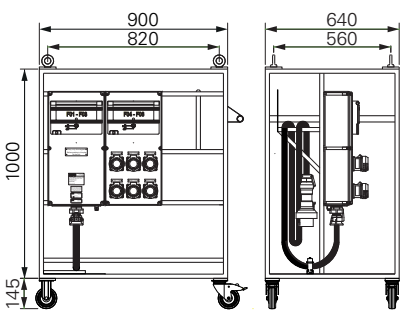




**type MD41563...1**

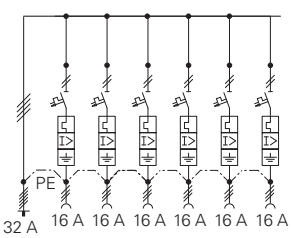



**type MD41563...2**




**type MD41532**



# Mobile Power Supply Distribution

Explosion-protected outlet distribution type PD

**The portable power distribution is a compact and user-friendly energy distribution for safe use in zones 1, 2, 21 and 22.**

**Developed to high quality standards only components from Eaton are used to ensure the best reliability for the product. The distributions are available as standard for 230 V outgoings.**

**The transportable distribution with integrated protection system allows the local, individual protection of the connected devices. Particularly in the industrial environment with its sources of risks the protection of persons is always the first priority. Here, a miniature circuit breaker (MCB), which is directly connected to the end device is the optimum solution.**

**The enclosures are made of glass-fibre reinforced polyester (GRP), which makes them ideal for harsh environments.**

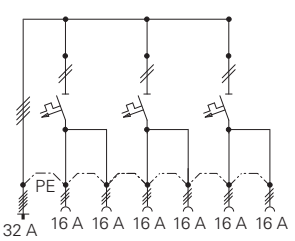
**The integrated flange sockets also meet the high requirements of protection class IP66 - even with inserted plugs.**

**Technical data: portable distribution 32 A**

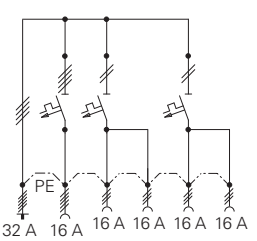
| | |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex d e IIC T4 Gb / Ⓔx II 2 D Ex tb IIIC T80°C Db |
| IECEx Certificate of Conformity | IECEx BKI 06.0007 |
| Marking accd. to IECEx | Ex de IIC T4 / Ex tD A21 IP66 T80°C |
| Rated voltage | 400 V/230 V 50 Hz |
| Permissible ambient temperature | - 20 °C up to +55 °C |
| Weight | 24 kg |
| Degree of protection accd. to EN 60529 | IP66 |
| Connecting cable | H07RN-F |
| Enclosure material | Glass-fibre reinforced polyester (GRP) |

**Ordering details**

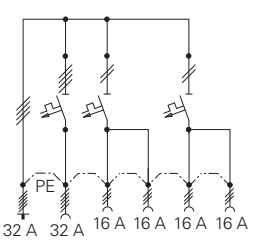
| Type | Cable length | Input | Output | Content | Order No. |
|---|---|---|---|---|---|
| PD41532616 | 3m | 5-pole 32 A 415 V 6h | 6 x 3-pole 16 A 230 V | 3 x RCBO 30mA, 16A | **EXKO238001 A1000** |
| PD41532416116 | 3m | 5-pole 32 A 415 V 6h | 1 x 5-pole 16 A 415 V<br>4 x 3-pole 16 A 230 V | 1 x MCB C 16 A<br>2 x RCBO 30mA, 16A | **EXKO238001 A1001** |
| PD41532416132 | 3m | 5-pole 32 A 415 V 6h | 4 x 3-pole 16 A 230 V<br>1 x 5-pole 32 A 415 V | 2 x RCBO 30mA, 16A<br>1 x MCB C 32 A | **EXKO238001 A1002** |




**PD41532616**

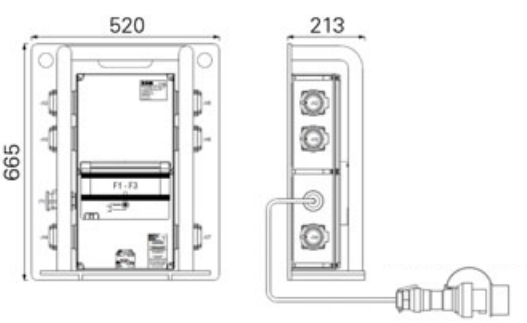



**PD41532416116**




**PD41532416132**

**Dimension drawing**




- **ATEX/IECEx-certified for gas- and dust atmospheres (Zone 1, 2, 21 and 22)**
- **Robust GRP solution, which fulfils electrostatic charge standards**
- **Compact, flexible and portable configuration**
- **Degree of protection IP66**
- **AC3 rated breaking capacity**
- **High mechanical, chemical and thermal resistance**

# Mobile Power Supply Distribution

Explosion-protected transformer outlet distribution type TU

**The transportable transformer unit is a compact step down unit for maintenance tasks.**

**Developed to high quality standards only components from Eaton are used to ensure the reliability for the product.**

**The distributions are available as standard for 230 V and 110 V input and 42 V/ 24 V/ 12 V output. The transformer units are designed to connect directly to low voltage CEAG portable lighting or can be used in connection with an additional splitter box.**

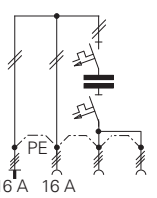
**The enclosures are made of glass-fibre reinforced polyester (GRP), which makes them ideal for harsh environments**

**Technical data: portable transformer distribution 8 A**

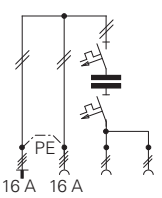
| | |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex d e IIC T4 Gb / Ⓔx II 2 D Ex tb IIIC T80°C Db |
| IECEx Certificate of Conformity | IECEx BKI 06.0007 |
| Marking accd. to IECEx | Ex de IIC T4 / Ex tD A21 IP66 T80°C |
| Rated voltage | 110/230 V 50/60 Hz |
| Permissible ambient temperature | - 20 °C up to +55 °C |
| Weight | 24 kg |
| Degree of protection accd. to EN 60529 | IP66 |
| Connecting cable | H07RN-F |
| Enclosure material | Glass-fibre reinforced polyester (GRP) |

**Ordering details**

| Type | Cable length | Input | Output | through wiring | circuit | Order No. |
|---|---|---|---|---|---|---|
| TU23016242 | 3 m | 3-pole 16 A 230 V 6h | 400 VA / 8 A 2 x 3-pole 42 V 12h | 16 A 230 V 6h | 1 | **EXKO238001 A2000** |
| TU23016224 | 3 m | 3-pole 16 A 230 V 6h | 400 VA / 16 A 2 x 3-pole 24 V 1h | 16 A 230 V 6h | 1 | **EXKO238001 A2001** |
| TU230162422 | 3 m | 3-pole 16 A 230 V 6h | 400 VA / 8 A 2 x 2-pole 42 V 12h | 16 A 230 V 6h | 2 | **EXKO238001 A2002** |
| TU230162242 | 3 m | 3-pole 16 A 230 V 6h | 400 VA / 16 A 2 x 2-pole 24 V 1h | 16 A 230 V 6h | 2 | **EXKO238001 A2003** |
| TU11016242 | 3 m | 3-pole 16 A 110 V 4h | 400 VA / 8 A 2 x 3-pole 42 V 12h | 16 A 110 V 4h | 1 | **EXKO238001 A2004** |
| TU11016224 | 3 m | 3-pole 16 A 110 V 4h | 400 VA / 16 A 2 x 3-pole 24 V 1h | 16 A 110 V 4h | 1 | **EXKO238001 A2005** |
| TU110162422 | 3 m | 3-pole 16 A 110 V 4h | 400 VA / 8 A 2 x 2-pole 42 V 12h | 16 A 110 V 4h | 2 | **EXKO238001 A2006** |
| TU110162242 | 3 m | 3-pole 16 A 110 V 4h | 400 VA / 16 A 2 x 2-pole 24 V 1h | 16 A 110 V 4h | 2 | **EXKO238001 A2007** |
| TU200162230 | 3 m | 3-pole 16 A 230 V 6h | 400 VA / 2 A 2 x 3-pole 230 V 6h | 16 A 230 V 6h | 1 | **EXKO238001 A2008** |



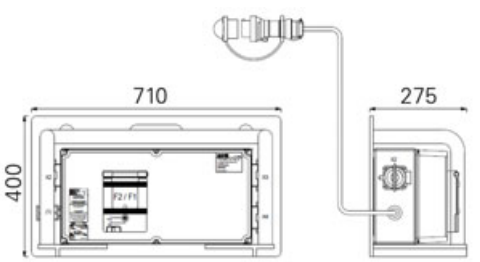

**circuit 1**




**circuit 2**

- **ATEX/IECEx-certified for gas- and dust atmospheres (zone 1, 2 , 21 and 22)**
- **Robust GRP solution, which fulfils electrostatic charge standards**
- **Compact, flexible and portable configuration**
- **AC3 rated breaking capacity**
- **230 V or 110 V inputs and 42 V or 24 V output**
- **Design with cut-out for an easy transportation**
- **High mechanical, chemical and thermal resistance**
- **Feed through power supply**

**Dimension drawing**



# Mobile Power Supply Distribution

Explosion-protected splitter box type SB

**The portable splitter box is a compact and user-friendly energy distribution for safe use in zones 1 and 21.**

**Developed to high quality standards only components from Eaton are used to ensure the reliability for the product.**

**The distributions are available as standard for 230 V and 110 V for a number of outgoings.**

**This smart solution allows to connect easily portable CEAG-luminaires from the Crouse-Hinds Series portfolio.**

**The enclosures are made of glass-fibre reinforced polyester (GRP), which makes them ideal for harsh environments.**

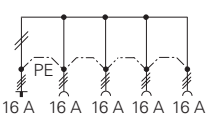
**The integrated flange sockets also meet the high requirements of protection class IP66 - even with inserted plugs.**

**Technical data: portable distribution 110/230 V - 16 A**

| | |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex d e IIC T4 Gb / Ⓔx II 2 D Ex tb IIIC T80°C Db |
| IECEx Certificate of Conformity | IECEx BKI 06.0007 |
| Marking accd. to IECEx | Ex de IIC T4 / Ex tD A21 IP66 T80°C |
| Rated voltage | 110 / 230 V 50/60 Hz |
| Permissible ambient temperature | - 20 °C up to +55 °C |
| Weight | 13 kg |
| Degree of protection accd. to EN 60529 | IP66 |
| Connecting cable | H07RN-F |
| Enclosure material | Glass-fibre reinforced polyester (GRP) |

**Ordering details**

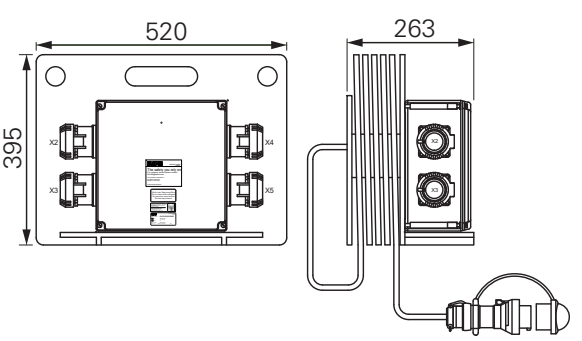
| Type | Cable length | Input | Output | Order No. |
|---|---|---|---|---|
| SB2304163 | 25 m | 3-pole 16 A 230 V 6h | 4 x 3-pole 16 A 230 V 6h | **EXKO238001 A3000** |
| SB1104163 | 25 m | 3-pole 16 A 110 V 4h | 4 x 3-pole 16 A 110 V 4h | **EXKO238001 A3001** |




**circuit**

- **ATEX/IECEx-certified for gas atmospheres (zone 1, 2 , 21 and 22)**
- **Robust GRP solution, which fulfils electrostatic charge standards**
- **Compact, flexible and portable Configuration**
- **Degree of protection IP66**
- **AC3 rated breaking capacity**
- **230 V or 110 V Input voltage**
- **Allows the use of various portable light fittings**
- **High mechanical, chemical and thermal resistance**

**Dimension drawing**



# Mobile Power Supply Distribution

Explosion-protected low voltage splitter box type SB

**The low-voltage splitter box is a compact and user-friendly energy distribution for safe use in zones 1 and 2.**

**Developed to high quality standards only components from Eaton are used to ensure the reliability for the product.**

**The distributions are available as standard for 42 V and 24 V for a number of outgoings.**

**This smart solution allows to connect easily portable low-voltage CEAG luminaires from the Crouse-Hinds Series portfolio.**

**The enclosures are made of glass-fibre reinforced polyester (GRP), which makes them ideal for harsh environments.**

**The integrated flange sockets also meet the high requirements of protection class IP66 - even with inserted plugs.**

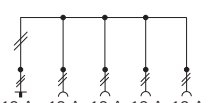
**Technical data: portable distribution low voltage 24/42 V -16 A**

| | |
|---|---|
| EC-Type Examination Certificate | PTB 99 ATEX 1044 |
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex d e IIC T4 Gb / Ⓔx II 2 D Ex tb IIIC T80 °C Db |
| IECEx Certificate of Conformity | IECEx BKI 06.0007 |
| Marking accd. to IECEx | Ex de IIC T4 / Ex tD A21 IP66 T 80 °C |
| Rated voltage | 24/42 V AC |
| Permissible ambient temperature | - 20 °C up to +55 °C |
| Weight | 13 kg / 15 kg |
| Degree of protection accd. to EN 60529 | IP66 |
| Connecting cable | H07RN-F |
| Enclosure material | Glass-fibre reinforced polyester (GRP) |

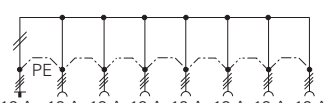
**Ordering details**

| Type | Cable length | Input | Output | Enclosure type | circuit | Order No. |
|---|---|---|---|---|---|---|
| SB0424083 | 25 m | 3-pole 16 A 42 V 12h | 4 x 3-pole16 A 42 V 12h | 1 | 1 | **EXKO230801 A4000** |
| SB0244163 | 25 m | 3-pole 16 A 24 V 1h | 4 x 3-pole16 A 24 V 1h | 1 | 1 | **EXKO230801 A4001** |
| SB0424082 | 25 m | 2-pole 16 A 42 V 12h | 4 x 2-pole16 A 42 V 12h | 1 | 2 | **EXKO230801 A4002** |
| SB0244162 | 25 m | 2-pole 16 A 24 V 1h | 4 x 2-pole16 A 24 V 1h | 1 | 2 | **EXKO230801 A4003** |
| SB0427083 | 3 m | 3-pole 16 A 42 V 12h | 7 x 3-pole16 A 42 V 12h | 2 | 3 | **EXKO230801 A4004** |
| SB0427082 | 3 m | 2-pole 16 A 42 V 12h | 7 x 2-pole16 A 42 V 12h | 2 | 4 | **EXKO230801 A4005** |

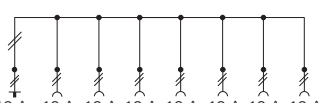

**circuit 1**




**circuit 2**



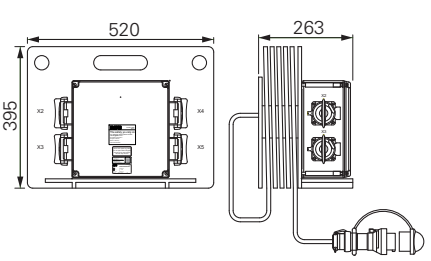

**circuit 3**



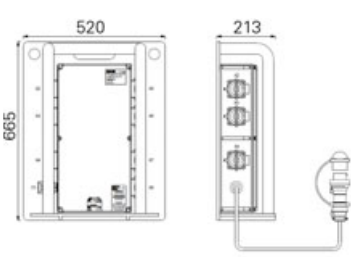

**circuit 4**

- **ATEX/IECEx-certified for gas- and dust atmospheres (zone 1, 2 , 21 and 22)**
- **Robust GRP solution, which fulfils electrostatic charge standards**
- **Compact, flexible and portable configuration**
- **Degree of protection IP66**
- **AC3 rated breaking capacity**
- **42 V or 42 V Input voltage**
- **Allows the use of various portable light fittings**
- **High mechanical, chemical and thermal resistance**

**Dimension drawing**




Enclosure type 1




Enclosure type 2

# Mobile Power Supply Distribution

Portable outlet distribution 16 A 3-pole, 5-pole for Zone 1

**CEAG-multi-outlet distribution are used to connect portable mains luminaires safely.**

**The integrated flange sockets also meet the high requirements of protection class IP66 - even with inserted plugs.**

**The enclosures are made of glass-fibre reinforced polyester (GRP), which makes them ideal for harsh environments.**

**Technical data**

| | |
|---|---|
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex ed IIC T6 |
| EC-Type Examination Certificate | PTB 02 ATEX 1035 |
| Permissible ambient temperature | -20 °C up to +40 °C[1)] |
| Rated voltage | 3-pole 16 A: up to 500 V / 5-pole 16 A: up to 400 V |
| Rated current | 16 A |
| Bemessungsein-/ausschaltvermögen AC-3 gem. EN 60947-3 | $U_e$ 690 V / $I_e$ 16 A |
| Degree of protection accd. to EN 60529 | IP66 |
| Weight | with 2 m connecting cable: 4.2 kg / with 5 m connecting cable 5.2 kg / with 7 m connecting cable 6 kg |
| Enclosure material | Enclosure: Glass-fibre reinforced polyester (GRP)<br>Plugs and flange socket: Polyamide |

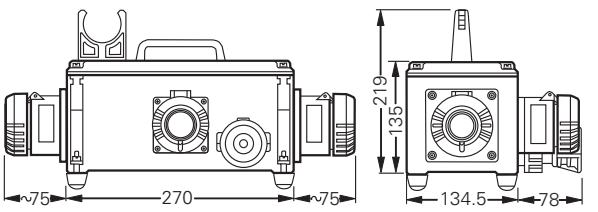
[1)] Extended temperature range on request

**Ordering details**

| Type | Output | Version | Order No. |
|---|---|---|---|
| Version with 2 m connecting cable | 2 x flange socket 16 A / 1 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R0011** |
| Version with 2 m connecting cable | 1 x flange socket 16 A / 2 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R0012** |
| Version with 2 m connecting cable | 3 x flange socket 16 A | 3-pole | **GHG 931 0003 R0013** |
| Version with 5 m connecting cable | 2 x flange socket 16 A / 1 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R0021** |
| Version with 5 m connecting cable | 1 x flange socket 16 A / 2 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R0022** |
| Version with 5 m connecting cable | 3 x flange socket 16 A | 3-pole | **GHG 931 0003 R0023** |
| Version with 7 m connecting cable | 2 x flange socket 16 A / 1 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R9008** |
| Version with 7 m connecting cable | 1 x flange socket 16 A / 2 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R9009** |
| Version with 7 m connecting cable | 3 x flange socket 16 A | 3-pole | **GHG 931 0003 R9010** |
| Version with 7 m connecting cable | 1 x flange socket 16 A / 1 x flange socket 16 A | 3-pole / 5-pole | **GHG 931 0003 R9011** |

Other versions on request.

- **Degree of protection IP66**
- **High mechanical, chemical and thermal resistance**
- **Various outlet combinations possible**
- **Easy operation - even with work gloves**



# Mobile Power Supply Distribution

Explosion protected cable reel for Zone 1

**During maintenance works, energy is needed at different locations where fixed installation is often not available. The explosion-proof cable reel offers the ideal solution with up to 3 flange socket 16 A or 1 flange socket 32 A.**

**The portable cable reel has a conductive plastic winding body and can therefore be used without restrictions in zone 1 areas.**

**The internal terminal compartment is designed for cables up to 6 mm².**

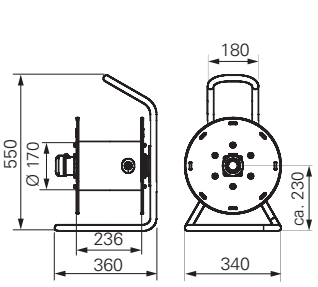
**The flange sockets mounted on the front side also meet the high requirements of protection class IP66 - unused and even with inserted plugs.**

| Technical data | Ex-portabel cabel real 16 A I 32 A |
|---|---|
| Marking accd. to 2014/34/EU | Ⓔx II 2G Ex db eb IIC T6 Gb |
| EC-Type Examination Certificate | PTB 16 ATEX 3002 |
| Permissible ambient temperature | -20 °C up to +55 °C |
| Rated voltage | max 690 Volt |
| Rated current | max. 32 A |
| Rated making / Rated breaking capacity AC-3 accd. EN 60947-3 | $U_e$ 690 V / $I_e$ 16 A or $I_e$ 32 A |
| Connecting terminals | max. 6 mm² |
| Degree of protection accd. to EN 60529 | IP66 |
| Enclosure material | EPDM with stainless steel terminal compartment |

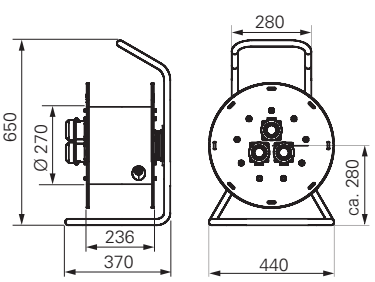
**Ordering details**

| Type | Input | Output | Version | Size | Order No. |
|---|---|---|---|---|---|
| Connecting cable 20 m, 3 x 2,5 mm² | 1 x plug 16 A 6h 3-pole | 1 x flange socket 16 A, 6h | 3-pole | size 1 | **GHG 931 0003 R0037** |
| Connecting cable 20 m, 5 x 2,5 mm² | 1 x plug 16 A 6h 5-pole | 1 x flange socket 16 A, 6h | 5-pole | size 1 | **GHG 931 0003 R0038** |
| Connecting cable 20 m, 3 x 2,5 mm² | 1 x plug 16 A 6h 5-pole | 2 x flange socket 16 A, 6h | 3-pole | size 2 | **GHG 931 0003 R0039** |
| Connecting cable 20 m, 3 x 2,5 mm² | 1 x plug 16 A 6h 5-pole | 2 x flange socket 16 A, 6h | 3-pole + 5-pole | size 2 | **GHG 931 0003 R0040** |
| Connecting cable 20 m, 5 x 2,5 mm² | 1 x plug 16 A 6h 5-pole | 2 x flange socket 16 A, 6h | 5-pole | size 2 | **GHG 931 0003 R0041** |
| Connecting cable 20 m, 3 x 2,5 mm² | 1 x plug 16 A 6h 3-pole | 3 x flange socket 16 A, 6h | 3-pole | size 2 | **GHG 931 0003 R0042** |
| Connecting cable 20 m, 5 x 4 mm² | 1 x plug 32 A 6h 5-pole | 1 x flange socket 32 A, 6h | 5-pole | size 2 | **GHG 931 0003 R0043** |

- **Robust solution, which fulfils electrostatic charge standards**
- **Compact, flexible and portable configuration**
- **Degree of protection IP66**
- **AC3 rated breaking capacity**
- **High mechanical, chemical and thermal resistance**




size 1




size 2

# FI-Ex Power Cords

Electrical connection technology for zone 1/21, 2/22

**Ready made FL-Ex Power Cords are used for temporary installation of electrical maintenance equipment such as light fittings, temporary pumps or other electrical apparatus.**

**Our robust plugs and receptacles fulfils the highest standards in mechanical and chemical resistance.**

**For the individual connection of electrical apparatus by connectors we developed a wide range of power cords for use in hazardous areas. By use of FL-Ex Power Cords, electrical apparatus can be powered with energy flexible and safe.**

| **Technical data** | **Explosion protected plugs and receptacles for Zone 1/2, 21/22** |
|---|---|
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex de IIC T6 / D II 2 Ⓔx Ex tD A21 IP66 T80 °C |
| EC-Type Examination Certificate | BVS17 ATEX-E-053 X (16 A) / PTB 99 ATEX 1041 (32 A) / BVS17 ATEX-E-073 X (63 A) / PTB 01 ATEX 1069 (125 A) |
| IECEx Certificate of Conformity | IECEx BVS17.045 X (16 A) / IECEx BKI 04.0006 (32 A) / IECEx BVS17.0062 X (63 A) / IECEx BKI 04.0005 (125 A) |
| Marking accd. to IECEx | Ex de eb IIC/IIB+H2 T6 GB (16 A) / Ex de IIC T6/T5 (32 A) / Ex de eb IIC/IIB T5 GB (63 A) / Ex de IIC T6 (125 A) |
| Permissible ambient temperature | -20 °C up to +40 °C [1] |
| IK-class according to EN 50102 | IK 10 ≙ 20 J |
| Rated voltage | 3-pole: 400 V / 4-pole: 690 V / 5-pole: 500 V |
| Rated current | 16 A / 32 A / 63 A / 125 A |
| Rated making / Rated breaking capacity AC-3 accd. EN 60947-3 | Ue 690 V / Ie 16 A \| Ue 690 V / Ie 32 A |
| Frequency | 50/60 Hz |
| External back up fuse | without therm. protection:: 16 A / 32 A / 63 A / 125 A |
| Degree of protection accd. to EN 60529 | IP 66 (with protective cover or plugged in and powered) |
| Enclosure material | Polyamide |
| | **Connecting cable** |
| Rubber coated cord, heavy duty | H07 RN-F, dimensions see ordering details |

1) extended temperature range on request

- **Nickel plated contact elements**
- **Easy plugging**
- **Optional mechanical interlock**
- **High degree of protection IP 66, even plugged**
- **Glove operation**
- **Lockable against unauthorised use**

# FI-Ex Power Cords

Electrical connection technology for zone 1/21, 2/22

**Ordering details Extension cord (double-side connected)**

| Voltage | Cable length/ -type | Order No. | Cable length/ -type | Order No. |
|---|---|---|---|---|
| **16 A Extension cord for 3-pole and 5-pole connection incl. plug & coupler, 06 h** | |  | |  |
| 200 - 250 V | 5 m x 3G 2,5 mm² | **EXKO 238001 F0001** | 5 m x 5G 2.5 mm² | **EXKO 238001 F0004** |
| 200 - 250 V | 10 m x 3G 2,5 mm² | **EXKO 238001 F0002** | 10 m x 5G 2.5 mm² | **EXKO 238001 F0005** |
| 200 - 250 V | 25 m x 3G 2,5 mm² | **EXKO 238001 F0003** | 25 m x 5G 2.5 mm² | **EXKO 238001 F0006** |
| **32 A Extension cord for 4-pole and 5-pole connection incl. plug & coupler, 06 h** | |  | |  |
| 380 - 415 V | 5 m x 4G 6 mm² | **EXKO 238001 F0007** | 5 m x 5G 6 mm² | **EXKO 238001 F0010** |
| 380 - 415 V | 10 m x 4G 6 mm² | **EXKO 238001 F0008** | 10 m x 5G 6 mm² | **EXKO 238001 F0011** |
| 380 - 415 V | 25 m x 4G 6 mm² | **EXKO 238001 F0009** | 25 m x 5G 6 mm² | **EXKO 238001 F0012** |

**Ordering details power cord (single-side connected)**

| | | | | |
|---|---|---|---|---|
| **16 A Power cord for 3-pole and 5-pole connection incl. plug, 06 h and protection cap** | |  | |  |
| 200 - 250 V | 5 m x 3G 2.5 mm² | **EXKO 238001 E0001** | 5 m x 5G 2.5 mm² | **EXKO 238001 E0004** |
| 200 - 250 V | 10 m x 3G 2.5 mm² | **EXKO 238001 E0002** | 10 m x 5G 2.5 mm² | **EXKO 238001 E0005** |
| 200 - 250 V | 25 m x 3G 2.5 mm² | **EXKO 238001 E0003** | 25 m x 5G 2.5 mm² | **EXKO 238001 E0006** |
| **32 A Power cord for 4-pole and 5-pole connection incl. plug, 06 h and protection cap** | |  | |  |
| 380 - 415 V | 5 m x 4G 6 mm² | **EXKO 238001 E0007** | 5 m x 5G 6 mm² | **EXKO 238001 E0010** |
| 380 - 415 V | 10 m x 4G 6 mm² | **EXKO 238001 E0008** | 10 m x 5G 6 mm² | **EXKO 238001 E0011** |
| 380 - 415 V | 25 m x 4G 6 mm² | **EXKO 238001 E0009** | 25 m x 5G 6 mm² | **EXKO 238001 E0012** |
| **63 A Power cord for 4-pole and 5-pole connection incl. plug, 06 h and protection cap** | |  | |  |
| 380 - 415 V | 5 m x 4G 16 mm² | **EXKO 238001 E0013** | 5 m x 5G 16 mm² | **EXKO 238001 E0019** |
| 380 - 415 V | 10 m x 4G 16 mm² | **EXKO 238001 E0014** | 10 m x 5G 16 mm² | **EXKO 238001 E0020** |
| 380 - 415 V | 25 m x 4G 16 mm² | **EXKO 238001 E0015** | 25 m x 5G 16 mm² | **EXKO 238001 E0021** |
| 380 - 415 V | 5 m x 4G 25 mm² | **EXKO 238001 E0016** | 5 m x 5G 25 mm² | **EXKO 238001 E0022** |
| 380 - 415 V | 10 m x 4G 25 mm² | **EXKO 238001 E0017** | 10 m x 5G 25 mm² | **EXKO 238001 E0023** |
| 380 - 415 V | 25 m x 4G 25 mm² | **EXKO 238001 E0018** | 25 m x 5G 25 mm² | **EXKO 238001 E0024** |
| **125 A Power cord for 4-pole and 5-pole connection incl. plug, 06 h and protection cap** | |  | |  |
| 380 - 415 V | 5 m x 4G 35 mm² | **EXKO 238001 E0025** | 5 m x 5G 35 mm² | **EXKO 238001 E0031** |
| 380 - 415 V | 10 m x 4G 35 mm² | **EXKO 238001 E0026** | 10 m x 5G 35 mm² | **EXKO 238001 E0032** |
| 380 - 415 V | 25 m x 4G 35 mm² | **EXKO 238001 E0027** | 25 m x 5G 35 mm² | **EXKO 238001 E0033** |
| 380 - 415 V | 5 m x 4G 50 mm² | **EXKO 238001 E0028** | 5 m x 5G 50 mm² | **EXKO 238001 E0034** |
| 380 - 415 V | 10 m x 4G 50 mm² | **EXKO 238001 E0029** | 10 m x 5G 50 mm² | **EXKO 238001 E0035** |
| 380 - 415 V | 25 m x 4G 50 mm² | **EXKO 238001 E0030** | 25 m x 5G 50 mm² | **EXKO 238001 E0036** |