# Ex-Portable Multi-Outlet Distributions and Cable Reels



16 A and 32 A for Zone 1 and Zone 21

## Flexible power connection

Electrical equipment, such as pumps, scales, etc. can be used flexibly in areas of Zone 1 and Zone 2 that are at risk of explosions, they can be safely supplied with energy by means of portable CEAG multi-outlet distribution units or cable reels.

The multi-outlet distribution units are equipped with flange-mounting socket outlets that even comply with the high degree of protection IP66 when they are plugged in.

This means that this distribution units are also suitable for use in the harshest industrial conditions.

The portable, explosion-protected cable reels can be used to supply electricity flexibly to portable electrical equipment to areas of Zone 1 and Zone 2 that are at risk of explosions. Furthermore, the cable drum can be used as a multiple socket outlet. Different combinations of plugs and receptacles allow variable deployments. The cable drum with a stainless steel housing comprises up to three explosion-protected flange-mounting socket outlets as well as the wound cable with a plug. One bolt each for inner and outer connection to the side wall are also welded on for connection to the protective conductor or potential equalisation conductor. Optionally, the cable reel can also be supplied with conductive reels.

A version of all-rubber design for use in harsh areas offers various applications. The small design gives best opportunities to be stored in operation vehicles or container.

All portable distributions are for use by:

- fire brigades
- civil defence
- rescue services
- police
- maintenance operation



**Features**

- **High IP 66 protection**
- **Portable distribution of electricity via sockets in the area at risk of explosions**
- **Mechanical, chemical and thermal resistance**
- **Variable socket combinations**
- **Easy handling even with gloves**



16A 5-pole



16A 3-pole

## Technical data

| | 16 A 3-pole I 16 A 5-pole |
|---|---|
| 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 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 |
| Frequency | 50/60 Hz |
| Rated making / Rated breaking capacity AC-3 accd. EN 60947-3 | $U_e$ 690 V / $I_e$ 16 A |
| External back up fuse | without thermal protection: 16 A<br>with thermal protection: 25 A gG (rated current 16 A set to) |
| Degree of protection accd. to EN 60529 | IP66 |
| Cable entry/enclosure drilling | Trumpet shaped cable gland M32 |
| Weight | with 2 m connecting cable: 4.2 kg / with 5 m connecting cable 5.2 kg |
| Enclosure material | Socket distribution: glass-fibre reinforced polyester<br>Plug and flange socket: polyamide |
| Enclosure colour | black |

[1)] extended temperature range on request



16A 5/3-pole



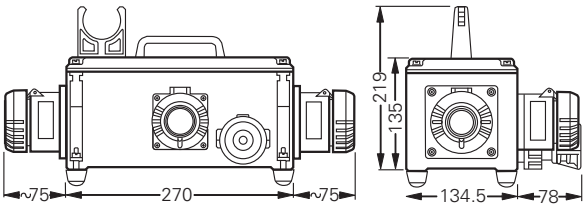
16A 3/5-pole

## Ordering details

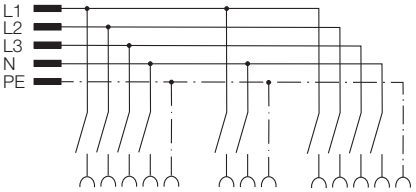
| Design | Version | Order No. |
|---|---|---|
| **Type design with 2 m connecting cable** | | |
| 2 x socket 16 A<br>1 x socket 16 A | 3-pole<br>5-pole | **GHG 931 0003 R0011** |
| 1 x socket 16 A<br>2 x socket 16 A | 3-pole<br>5-pole | **GHG 931 0003 R0012** |
| 3 x socket 16 A | 3-pole | **GHG 931 0003 R0013** |
| **Type design with 5 m connecting cable** | | |
| 2 x socket 16 A<br>1 x socket 16 A | 3-pole<br>5-pole | **GHG 931 0003 R0021** |
| 1 x socket 16 A<br>2 x socket 16 A | 3-pole<br>5-pole | **GHG 931 0003 R0022** |
| 3 x socket 16 A | 3-pole | **GHG 931 0003 R0023** |
| **Type design with 7 m connecting cable** | | |
| 2 x socket 16 A<br>1 x socket 16 A | 3-pole<br>5-pole | **GHG 931 0003 R0008** |
| 1 x socket 16 A<br>2 x socket 16 A | 3-pole<br>5-pole | **GHG 931 0003 R0009** |
| 3 x socket 16 A | 3-pole | **GHG 931 0003 R0010** |

Other configurations on request.

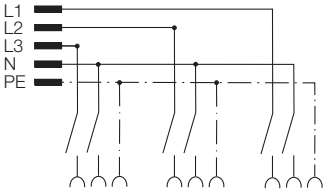
## Dimension drawing | Wiring diagram



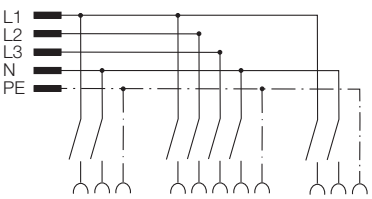

**Socket distribution 16A 3-pole/5-pole**




**2 x 5-pole, 1 x 3-pole**




**3 x 3-pole**




**2 x 3-pole, 1 x 5-pole**

Dimensions in mm



Stainless steel



## Technical data

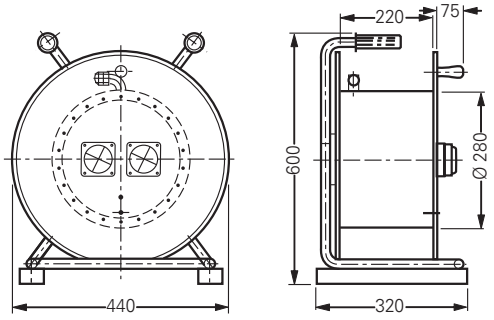
| | Cable reel stainless steel |
|---|---|
| Marking accd. to 2014/34/EU | Ⓔx II 2 G Ex de IIC T6 |
| EC-Type Examination Certificate | PTB 08 ATEX 1073 |
| Permissible ambient temperature | –20 °C ... +55 °C[1)] |
| Rated voltage | 3-pole: 415 V<br>5-pole: 500 V (690 V up to 5 h) |
| Rated current | 16 A/32 A |
| Frequency | 50/60 Hz |
| External back up fuse | without thermal protection: 16 A<br>with thermal protection: 25 A gG<br>(rated current 16 A set to) |
| Protection class | I |
| Degree of protection accd. to EN 60529 | IP54 |
| Weight | 16 A with 20 m connecting cable<br>approx. 22 - 30 kg design depending /<br>32 A with 20 m connecting cable<br>approx. 28 - 50 kg design depending |
| Enclosure material | Cable reel: enclosure stainless steel<br>Plug and flange socket: polyamide |

[1)] extended temperature range on request

## Ordering details

| Design | Version | Order No. |
|---|---|---|
| **Stainless steel 16 A design with 20 m connecting cable HO7...** | | |
| 1 x Flange socket 16 A 3-pole<br>1 x Flange socket 16 A 5-pole | 5 x 2.5 mm² | **GHG 931 0003 R0031** |
| 3 x Flange socket 16 A 3-pole | 3 x 2.5 mm² | **GHG 931 0003 R0032** |
| 2 x Flange socket 16 A 5-pole | 5 x 2.5 mm² | **GHG 931 0003 R0033** |
| **Stainless steel 16 A design with 20 m connecting cable HO7...** | | |
| 2 x Flange socket 32 A 4-pole | 4 x 4 mm² | **GHG 931 0003 R0034** |
| 2 x Flange socket 32 A 5-pole | 5 x 4 mm² | **GHG 931 0003 R0035** |
| 1 x Flange socket 16 A 5-pole<br>1 x Flange socket 32 A 5-pole | 5 x 4 mm² | **GHG 931 0003 R0036** |

## Dimension drawing




Dimensions in mm