

## GHG 600 GRP Ex-e empty enclosures



Size 1



Size 2



Size 3



Size 4

### Technical data

#### GRP Empty enclosures

Marking accd. to 2014/34/EU	II 2 G Ex e IIC Gb Ex de IIC T6, T5, T4 / II 2 D Ex tb IIIC Db Ex tD A21 IP66 T80 °C, T95 °C <sup>1)</sup>
EC-Type Examination Certificate	PTB 99 ATEX 3118U
IECEX Certificate of Conformity	IECEX-PTB11.0030U
Marking accd. to IECEx	Ex e IIC Gb / Ex tb IIIC Db
Operating temperature range	-20 °C up to +95 °C -55 °C up to +95 °C
Permissible ambient temperature <sup>1)</sup>	-20 °C up to +40 °C -55 °C up to +55 °C (option)
Rated voltage	690 V
Rated current	315 A
Protection class	I / II depending on the flange type and glands
Terminal cross section	up to 300 mm <sup>2</sup>
Cable gland	acc. to customer specification, max. M63
Degree of protection accd. to EN 60529	IP66
Weight	see ordering details
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black

<sup>1)</sup> The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.6.21.

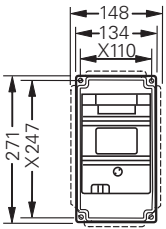
### Ordering details empty enclosures plastic version

Content	Mounting width	Weight approx.	Order No. / Order code <sup>2)</sup>
<b>Size 1: 1 mounting area 106 mm</b>			
Cover closed	106 mm	1.5 kg	<b>GHG 600 0101 R0001</b>
Cover cut-out with small actuating flap for GHG 61	106 mm	1.9 kg	<b>GEH 001 01 61 <sup>2)</sup></b>
Cover cut-out with small actuating flap for GHG 62	106 mm	1.9 kg	<b>GEH 001 01 62 <sup>2)</sup></b>
<b>Size 2: 1 mounting area 213 mm</b>			
Cover closed	213 mm	2.5 kg	<b>GHG 600 0201 R0001</b>
Cover cut-out with 1 actuating flap for GHG 61	213 mm	3.2 kg	<b>GEH 002 01 61 <sup>2)</sup></b>
Cover cut-out with 1 actuating flap for GHG 62	213 mm	3.2 kg	<b>GEH 002 01 62 <sup>2)</sup></b>
Cover raised for insertion of main switch = 80 A		3.3 kg	<b>GHG 600 0301 R0001</b>
<b>Size 3: 2 mounting areas 213 mm</b>			
Cover closed	2 x 213 mm	4.5 kg	<b>GHG 600 0401 R0001</b>
Cover cut-out with 1 actuating flap for GHG 61	2 x 213 mm	5.2 kg	<b>GEH 003 01 61 <sup>2)</sup></b>
Cover cut-out with 1 actuating flap for GHG 62	2 x 213 mm	5.2 kg	<b>GEH 003 01 62 <sup>2)</sup></b>
Cover cut-out with 2 actuating flaps for GHG 61	2 x 213 mm	5.9 kg	<b>GEH 003 02 61 <sup>2)</sup></b>
Cover cut-out with 2 actuating flaps for GHG 62	2 x 213 mm	5.9 kg	<b>GEH 003 02 62 <sup>2)</sup></b>
Cover with 1 actuating flap and main switch ≤ 40 A	1 x 213 mm	6.2 kg	<b>GEH 003 03 <sup>2)</sup></b>
Cover raised for insertion of main switch ≥ 80 A up to 180 A		5.5 kg	<b>GHG 600 0501 R0001</b>
<b>Size 4: 3 mounting areas 213 mm</b>			
Cover closed	3 x 213 mm	5.5 kg	<b>GHG 600 0601 R0001</b>
Cover cut-out with 1 actuating flap for GHG 61	3 x 213 mm	6.2 kg	<b>GEH 004 01 61 <sup>2)</sup></b>
Cover cut-out with 1 actuating flap for GHG 62	3 x 213 mm	6.2 kg	<b>GEH 004 01 62 <sup>2)</sup></b>
Cover cut-out with 2 actuating flaps for GHG 61	3 x 213 mm	6.9 kg	<b>GEH 004 02 61 <sup>2)</sup></b>
Cover cut-out with 2 actuating flaps for GHG 62	3 x 213 mm	6.9 kg	<b>GEH 004 02 62 <sup>2)</sup></b>
Cover cut-out with 3 actuating flaps for GHG 61	3 x 213 mm	7.6 kg	<b>GEH 004 03 61 <sup>2)</sup></b>
Cover cut-out with 3 actuating flaps for GHG 62	3 x 213 mm	7.6 kg	<b>GEH 004 03 62 <sup>2)</sup></b>
Cover with 2 actuating flaps and main switch ≤ 40 A	1 x 213 mm	8.1 kg	<b>GEH 004 04 <sup>2)</sup></b>

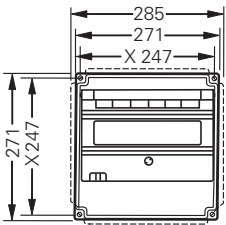
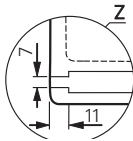
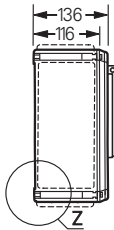
<sup>2)</sup> "GEH" is an order code only



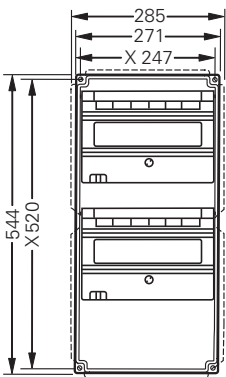
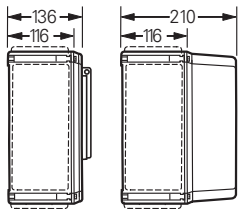
Dimension drawing



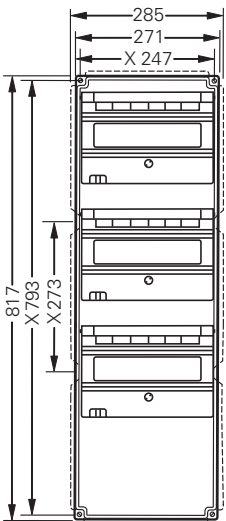
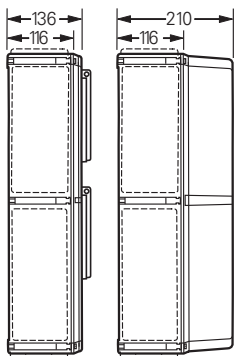
Size 1



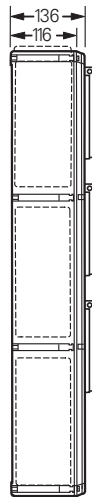
Size 2



Size 3



Size 4



X = fixing dimension

## GHG 600 Metal Ex-e empty enclosures



Size 1



Size 2



Size 3



Size 4

### Technical data

#### Metal empty enclosure

Marking accd. to 2014/34/EU	⊕ II 2 G Ex e IIC Gb Ex de IIC T6, T5, T4 / ⊕ II 2 D Ex tb IIIC Db Ex tD A21 IP66 T80 °C, T95 °C <sup>1)</sup>
EC-Type Examination Certificate	PTB 99 ATEX 3118U
IECEX Certificate of Conformity	IECEX-PTB11.0030U
Marking accd. to IECEX	Ex e IIC Gb Ex tb IIIC Db
Operating temperature range	-20 °C up to +95 °C -55 °C up to +95 °C
Permissible ambient temperature <sup>1)</sup>	-20 °C up to +40 °C -55 °C up to +55 °C (option)
Rated voltage	690 V
Rated current	315 A
Protection class	I
Terminal cross section	up to 300 mm <sup>2</sup>
Cable gland	acc. to customer specification
Degree of protection accd. to EN 60529	IP66
Enclosure material	Stainless steel AISI 316 L / sheet steel powder coated
Enclosure colour	electro-polished / grey

<sup>1)</sup> The limits of the operating temperature range and the max. permissible temperature rise of the components have to be taken into account. See also pages 2.6.21.

### Ordering details empty enclosure stainless steel

Content	Mounting width	Weight approx.	Order code
<b>Size 1: 1 mounting area 106 mm</b>			
Cover closed	106 mm	3.5 kg	GEH 100 00
Cover cut-out with small actuating flap for GHG 61	106 mm	3.8 kg	GEH 100 01 61
Cover cut-out with small actuating flap for GHG 62	106 mm	3.8 kg	GEH 100 01 62
<b>Size 2: 1 mounting area 213 mm</b>			
Cover closed	213 mm	7.5 kg	GEH 200 00
Cover cut-out with 1 actuating flap for GHG 61	213 mm	8.1 kg	GEH 200 01 61
Cover cut-out with 1 actuating flap for GHG 62	213 mm	8.1 kg	GEH 200 01 62
<b>Size 3: 2 mounting areas 213 mm</b>			
Cover closed	2 x 213 mm	11.5 kg	GEH 300 00
Cover cut-out with 1 actuating flap for GHG 61	2 x 213 mm	12.1 kg	GEH 300 01 61
Cover cut-out with 1 actuating flap for GHG 62	2 x 213 mm	12.1 kg	GEH 300 01 62
Cover cut-out with 2 actuating flaps for GHG 61	2 x 213 mm	12.7 kg	GEH 300 02 61
Cover cut-out with 2 actuating flaps for GHG 62	2 x 213 mm	12.7 kg	GEH 300 02 62
Cover with 1 actuating flap and main switch ≤ 40 A	1 x 213 mm	12.9 kg	GEH 300 03
<b>Size 4: 3 mounting areas 213 mm</b>			
Cover closed	3 x 213 mm	16.5 kg	GEH 400 00
Cover cut-out with 1 actuating flap for GHG 61	3 x 213 mm	17.1 kg	GEH 400 01 61
Cover cut-out with 1 actuating flap for GHG 62	3 x 213 mm	17.1 kg	GEH 400 01 62
Cover cut-out with 2 actuating flaps for GHG 61	3 x 213 mm	17.7 kg	GEH 400 02 61
Cover cut-out with 2 actuating flaps for GHG 62	3 x 213 mm	17.7 kg	GEH 400 02 62
Cover cut-out with 3 actuating flaps for GHG 61	3 x 213 mm	18.4 kg	GEH 400 03 61
Cover cut-out with 3 actuating flaps for GHG 62	3 x 213 mm	18.4 kg	GEH 400 03 62
Cover with 2 actuating flaps and main switch ≤ 40 A	2 x 213 mm	18.6 kg	GEH 400 04



Size 4



Size 3

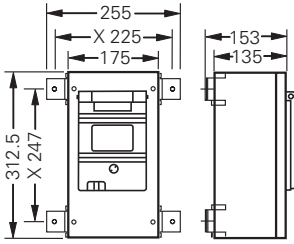


Size 2

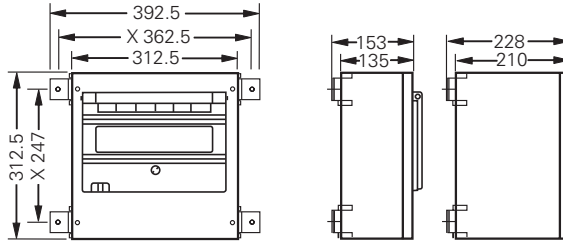


Size 1

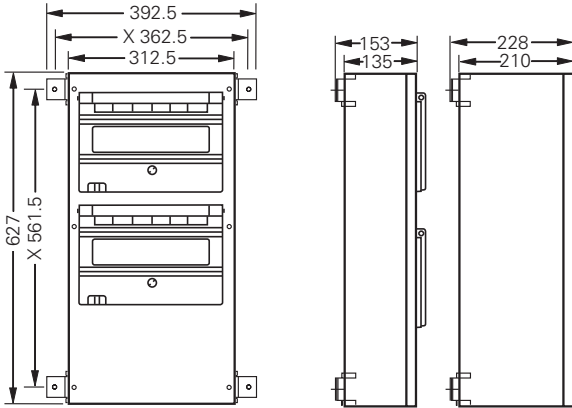
Dimension drawing



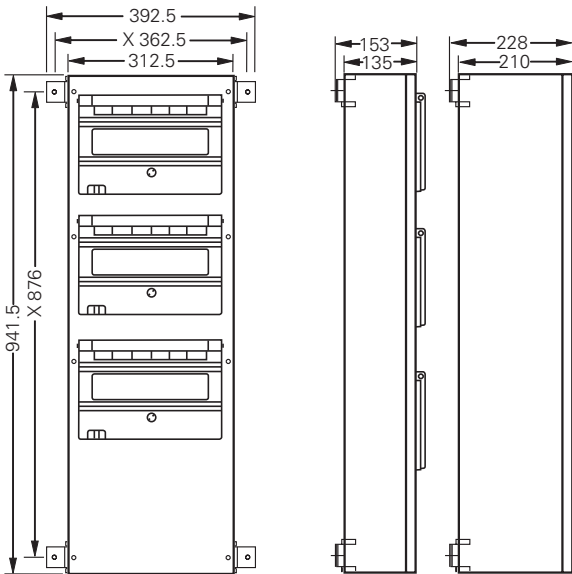
Size 1



Size 2



Size 3



Size 4

X = fixing dimension

## GHG 610 Ex-e actuating flap



Size 1



Size 2

### Technical data

#### Actuating flap

Marking accd. to 2014/34/EU	⊕ II 2 G Ex e IIC Gb / ⊕ Ex tb IIIC Db IP65
EC-Type Examination Certificate	PTB 99 ATEX 3107U
Operating temperature range	-55 °C up to +60 °C
Application temperature <sup>1)</sup>	-55 °C up to +60 °C
IECEX Certificate of Conformity	IECEX-PTB11.0020U
Marking accd. to IECEx	Ex e IIC Gb Ex tb IIIC Db IP65
Degree of protection accd. to EN 60529	IP66
Weight	flap size 1 0.48 kg flap size 2 0.78 kg

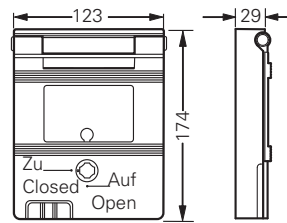
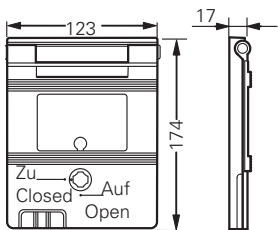
### Ordering details

Content	Mounting width	Weight approx.	Order No.
Size 1: 1 mounting area 106 mm for GHG 61, lockable	123 mm	0.48 kg	<b>GHG 610 1954 R0003</b>
Size 1: 1 mounting area 106 mm for GHG 61 + 62, lockable	123 mm	0.48 kg	<b>GHG 610 1954 R0013</b>
Size 2: 1 mounting area 213 mm for GHG 61, lockable	245 mm	0.78 kg	<b>GHG 610 1954 R0001</b>
Size 2: 1 mounting area 213 mm for GHG 61 + 62, lockable	245 mm	0.78 kg	<b>GHG 610 1954 R0011</b>

### Dimension drawing

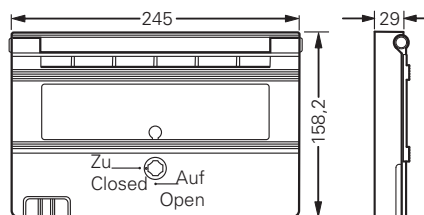
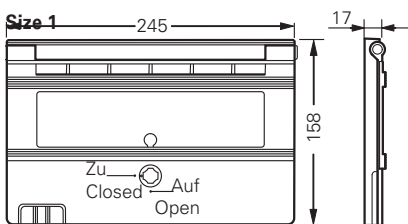
for GHG 61

for GHG 61 + 62



Size 1

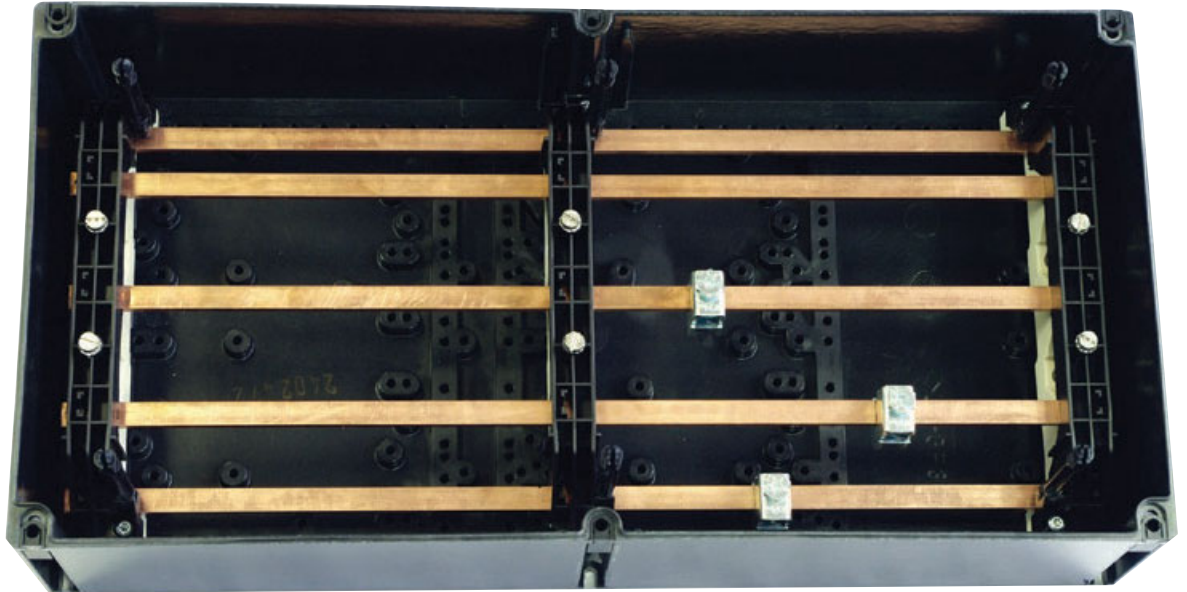
Size 1



Size 2

Size 2

Dimensions in mm



**Bus-bar system GHG 758:**

The bus-bar system GHG 758 for 250 A and 315 A in Ex-e technology is a fast and economic assembly system for efficient distribution of electrical energy for zone 1.

**Robust design**

Thanks to the high ambient temperature range of -55 to + 55 ° C, this mounting system is ideal for applications under extreme conditions. Due to the use of high

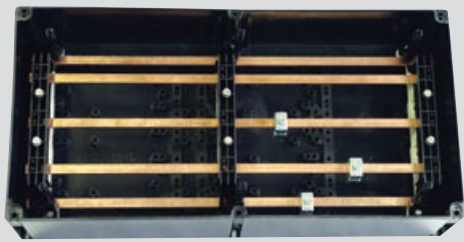
quality materials, this device has a high short-circuit rating and long durability.

**Easy and economically to install**

Fast and economic assembly using undrilled clamp technology for the connection cables

- For use in areas with extreme ambient conditions
- High short-circuit rating and long durability
- Greater length of usable bus-bar rail (up to 6300 mm)  
Optional with removable plastic cover
- Fast and economic assembly



## Bus-bar system GHG 758 for zone 1



Bus bar in plastic encl.

### Technical data

#### Bus-bar system

Marking accd. to 94/9/EC	 II 2 G Ex e IIC Gb  II 2 G Ex eb IIC
EC-Type Examination Certificate	BVS 11 ATEX E 068 U
IECEX Certificate of Conformity	IECEX BVS11.0048U
Marking accd. to IECEx	Ex e IIC Gb
Permissible ambient temperature	-55 °C up to +55 °C
Rated voltage	690 V
Terminal cross section	1.5 mm <sup>2</sup> up to 185 mm <sup>2</sup>
Maximum length	6300 mm

#### 250 A for plastic enclosures

Rated current	250 A
Rated short-time current	4 kA
Rated short-circuit current	35 kA

#### 315 A for metallic enclosures

Rated current	315 A
Rated short-time current	9 kA
Rated short-circuit current	47 kA

### Drawings

