

GHG 744/ GHG745Ex-e/Ex-i terminal box



GHG 744 0101 R0005



Type 745 02



GHG 745 0201 R0012

Technical data

GHG 744 01 up to 40 terminals | GHG 745 02 up to 82 terminals

Marking accd. to 2014/34/EU	Ex II 2 G Ex e IIC T4/T5/T6 Gb / Ex e ib [ia/ib] IIC T4/T5/T6 Gb / Ex II 2 D Ex tb IIIC T80 °C/T95 °C Db IP6X
EC-Type Examination Certificate	BVS 12 ATEX E 118X
IECEx Certificate of Conformity	IECEx BVS 12.0071X
Marking accd. to IECEx	Ex e IIC T4/T5/T6 Gb Ex tb IIIC T80 °C/T95 °C Db IP6X
Permissible ambient temperature	–20 °C to +40 °C –55 °C to +55 °C (option)
Rated voltage	690 V
Rated current	depends on terminal mounting
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black

GHG 744 01 up to 31 terminals

Connecting terminals	up to 25 mm ²							
Dimensions (L x W x H)	271 x 134 x 136 mm							
Weight	approx. 1.5 kg							
Drillings/cable glands	M12	M16	M20	M25	M32	M40	M50	M63
Max. number down	60	36	26	18	10	7	4	3
Max. number flange plastic	46	25	20	11	8	4	3	2
Max. number flange metal	–	–	11	9	5	3	3	2
Terminal mounting space on the terminal rail	1 x 230 mm							
Max. number of terminals acc. to certification	2.5 mm ² 38	4 mm ² 31	6 mm ² 24	10 mm ² 20	16 mm ² 17	25 mm ² 15	35 mm ² 7	

GHG 745 02 up to 82 terminals

Connecting terminals	up to 70 mm ²									
Dimensions (L x W x H)	271 x 271 x 136 mm									
Weight	approx. 2.5 kg									
Drillings/cable glands	M12	M16	M20	M25	M32	M40	M50	M63		
Max. number down	60	36	26	18	10	7	4	3		
Max. number flange plastic	46	25	20	11	8	4	3	2		
Max. number flange metal	–	–	11	9	5	3	3	2		
Terminal mounting space on the terminal rail	2 x 230 mm									
Max. number of terminals acc. to certification	2.5 mm ² 38	4 mm ² 31	6 mm ² 24	10 mm ² 20	16 mm ² 17	25 mm ² 16	35 mm ² 15	50 mm ² 9	70 mm ² 9	



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Ordering details

Content	Cable gland	No. of terminals	Order No.
Type 744 01 up to 31 terminals assembled with screw terminals 2 x 4 mm² + PE-rail 4 mm²			
Ex-e	1 x plastic flange down without drilling	1 x Ex-e ¹⁾ 7 x PE	GHG 744 0101 R0005
Type 745 02 up to 82 terminals assembled with screw terminals 2 x 4 mm² + PE/PA-rail 4 mm²			
Ex-e	1 x plastic flange down without drilling	1 x Ex-e ¹⁾ 14 x PE	GHG 745 0201 R0004
Type 745 02 up to 82 terminals assembled with screw terminals 2 x 2.5 mm² + PE/PA-rail 4 mm²			
Ex-i	1 x M50 cable gland 8 x M32 for 4 cable	60 x Ex-i 27 x PE/PA	GHG 745 0201 R0012
Ex-e	1 x M50 cable gland 30 x M16 cable gland	60 x Ex-e 27 x PE/PA	GHG 745 0201 R0013
Ex-i	1 x M50 cable gland 30 x M16 cable gland	60 x Ex-i 27 x PE/PA	GHG 745 0201 R0014
Ex-e	1 x M50 cable gland 24 x M20 cable gland	60 x Ex-e 27 x PE/PA	GHG 745 0201 R0015
Ex-i	1 x M50 cable gland 24 x M20 cable gland	60 x Ex-i 27 x PE/PA	GHG 745 0201 R0021
Type 745 02 up to 82 terminals assembled with screwless terminals 2 x 2.5 mm² + PE/PA-rail 4 mm²			
Ex-i	1 x M50 cable gland 8 x M32 for 4 cable	60 x Ex-i 27 x PE/PA	GHG 745 0201 R0016
Ex-e	1 x M50 cable gland 30 x M16 cable gland	60 x Ex-e 27 x PE/PA	GHG 745 0201 R0017
Ex-i	1 x M50 cable gland 30 x M16 cable gland	60 x Ex-i 27 x PE/PA	GHG 745 0201 R0018
Ex-e	1 x M50 cable gland 24 x M20 cable gland	60 x Ex-e 27 x PE/PA	GHG 745 0201 R0020
Ex-i	1 x M50 cable gland 24 x M20 cable gland	60 x Ex-i 27 x PE/PA	GHG 745 0201 R0022

¹⁾ according to type examination certificate individual extensible
Other versions available on request

GHG 744/ GHG745 Ex-e/Ex-i terminal box

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Type 745 02



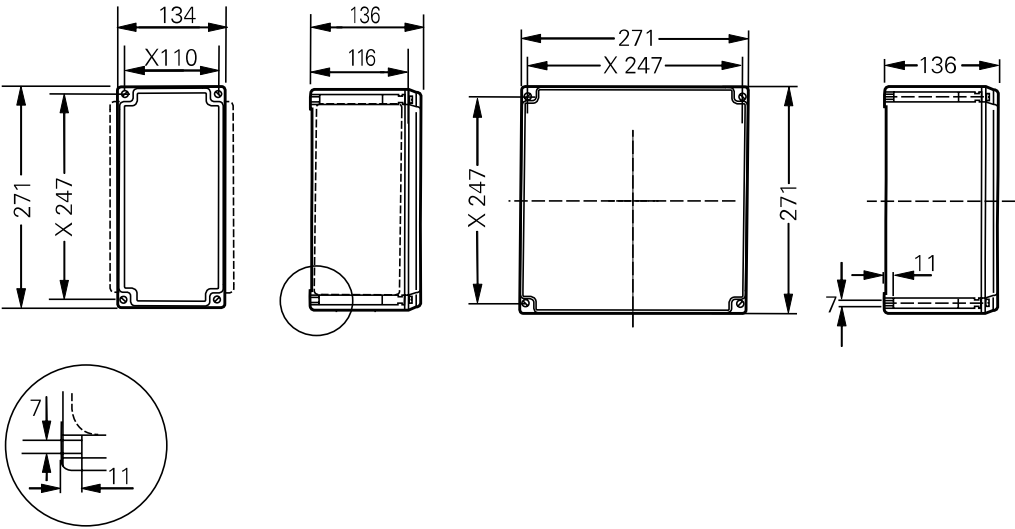
GHG 745 0201 R0012

Accessories

Type	Application	Fixing method	Order No.
Mounting plate for junction box 744 01			
Size 3	Wall mounting	screwless mounting	GHG 610 1953 R0118
Size 3	Trellis mounting	screwless mounting	GHG 610 1953 R0118
Size 3	Pipe clamp	screwless mounting	GHG 610 1953 R0110
Protective canopy size 3	for mounting plate size 3		GHG 610 1955 R0104

Details for accessories see page 2.2.80 up to 2.2.84.

Dimension drawing



Type 744 01

Type 745 02

X = fixing dimensions