



Type 749 04

Type 746 03

### Technical data

GHG 746 03 up to 188 terminals   GHG 749 04 up to 296 terminals	
Marking to 94/9/EC	Ⓔ II 2 G Ex de ia/lb [ia/lb] m IIC T4 / Ⓔ II 2 D Ex tD A21 IP66 T 80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
IECEX certificate of conformity	IECEX BK1 07.0034
Marking accd. to IECEX	Ex ed ia/lb m [ia/lb] IIC T4 – T6 Ex tD A21 IP66 T80 °C
Permissible ambient temperature	–20 °C to +40 °C
	–55 °C to +55 °C (option)
Rated voltage	690 V
Rated current	Depends on terminal mounting
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure material	Glass-fibre reinforced polyester
Enclosure colour	black

GHG 746 03 up to 188 terminals								
Connecting terminals	up to 240 mm <sup>2</sup>							
Dimensions (L x W x H)	544 x 271 x 136 mm							
Weight	approx. 4.2 kg							
Drillings/cable glands	M12	M16	M20	M25	M32	M40	M50	M63
Max. number down	120	72	52	36	20	14	8	6
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	horiz. 2 x 510 mm / vert. 4 x 230 mm							
	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	
Max. number of terminals acc. to certification	2 x 94	2 x 78	2 x 59	2 x 47	40	40	32	

GHG 749 04 up to 296 terminals								
Connecting terminals	up to 240 mm <sup>2</sup>							
Dimensions (L x W x H)	817 x 271 x 136 mm							
Weight	approx. 5.8 kg							
Drillings/cable glands	M12	M16	M20	M25	M32	M40	M50	M63
Max. number down	180	108	78	54	30	21	12	9
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	horiz. 2 x 795 mm / vert. 6 x 230 mm							
	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	
Max. number of terminals acc. to certification	2 x 148	2 x 124	2 x 94	2 x 75	63	63	51	

## Ex-e/Ex-i terminal box



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### Ordering details

Design	Cable gland	No. of Terminals	Order No.
Type 746 03 up to 188 terminals assembled with screw terminals 2 x 4 mm <sup>2</sup> + PE-rail 4 mm <sup>2</sup>			
Ex-e	2 x plastic flange down without drilling	1 x Ex-e <sup>1)</sup> 2 x 14 x PE	<b>GHG 746 0301 R0002</b>
Type 749 04 up to 296 terminals assembled with screw terminals 2 x 2.5 mm <sup>2</sup> + PE-rail 4 mm <sup>2</sup>			
Ex-e	3 x plastic flange down without drilling	1 x Ex-e <sup>1)</sup> 3 x 14 x PE	<b>GHG 749 0401 R0001</b>

<sup>1)</sup> according to type examination certificate individual extensible  
Other types on request

### Dimension drawing

