

Ex-e/Ex-i terminal box



Type 744 21



Type 745 22

Technical data

Type 744 21/745 22/746 23/749 24 up to 296 terminals

Marking accd. to 94/9/EC	II 2 G Ex e IIIC T4/T5/T6 Gb / II 2 D Ex e ib [ia/ib] IIC T4/T5/T6 Gb
EC-Type Examination Certificate	BVS ATEX E 118X
IECEX Certificate of Conformity	IECEX BVS 12.0071X
Marking accd. to IECEX	Ex e ib [ia/ib] IIC T4 ... T6 Gb Ex tb IIIC T80 °C/T95 °C Db IP6X
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	up to 690 V
Rated current	depends on terminal mounting
Degree of protection accd. to EN 60529	IP66
Enclosure material	Stainless steel AISI 316 L (1.4404)

Type 744 21 up to 40 terminals

Terminal cross section	max. 16 mm ²						
Weight	approx. 3.5 kg						
Max. number of drillings/cable glands down	M16	M20	M25	M32	M40	M50	M63
	37	23	15	9	5	3	2
with flange	29	17	12	7	4	2	–
Terminal mounting space on the terminal rail	1 x 230 mm						
Max. number of terminals	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²
acc. to certification	1 x 40	1 x 33	1 x 25	1 x 20	1 x 17	1 x 17	–

Type 745 22 up to 82 terminals

Terminal cross section	max. 70 mm ²						
Weight	approx. 7.5 kg						
Max. number of drillings/cable glands down	M16	M20	M25	M32	M40	M50	M63
	37	23	15	9	5	3	2
with flange	29	17	12	7	4	2	–
Terminal mounting space on the terminal rail	2 x 230 mm						
Max. number of terminals	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²
acc. to certification	2 x 41	2 x 34	1 x 26	2 x 20	1 x 17	1 x 17	1 x 14

Type 746 23 up to 188 terminals

Terminal cross section	max. 240 mm ²						
Weight	approx. 11.5 kg						
Max. number of drillings/cable glands down	M16	M20	M25	M32	M40	M50	M63
	71	46	30	18	10	6	4
with flange	58	34	24	14	8	4	–
Terminal mounting space on the terminal rail	2 x 510 mm						
Max. number of terminals	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²
acc. to certification	2 x 94	2 x 78	1 x 59	2 x 47	1 x 40	1 x 40	1 x 32

Type 749 24 up to 296 terminals

Terminal cross section	max. 240 mm ²						
Weight	approx. 16.5 kg						
Max. number of drillings/cable glands down	M16	M20	M25	M32	M40	M50	M63
	108	69	45	27	15	9	6
with flange	87	51	36	21	12	6	–
Terminal mounting space on the terminal rail	2 x 795 mm						
Max. number of terminals	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²
acc. to certification	2 x 148	2 x 124	1 x 94	2 x 75	1 x 63	1 x 63	1 x 51



Type 749 24

Type 746 23

Ordering details

Type	Cable gland	No. of terminals	Order No.
Terminal boxes 744 21 assembled with screw terminals 2 x 2.5 mm² + PE-rail 4 mm²			
Ex-e	1 x stainless steel down without drilling	1 x Ex-e* 7 x PE	GHG 744 2101 R0001
Terminal boxes 745 22 assembled with screw terminals 2 x 2.5 mm² + PE-rail 4 mm²			
Ex-e	1 x stainless steel down without drilling	1 x Ex-e* 14 x PE	GHG 745 2201 R0001
Terminal boxes 746 22 assembled with screw terminals 2 x 2.5 mm² + PE-rail 4 mm²			
Ex-e	2 x stainless steel down without drilling	1 x Ex-e* 2 x 14 x PE	GHG 746 2301 R0001
Terminal boxes 749 24 assembled with screw terminals 2 x 2.5 mm² + PE-rail 4 mm²			
Ex-e	3 x stainless steel down without drilling	1 x Ex-e* 3 x 14 x PE	GHG 749 2401 R0001

* according to type examination certificate individual extensible

Other applications available on request.

Dimension drawing

