



Features

- CENELEC, IEC, and NEC explosion proof certified
- Can be used in:
 - Zone 0, Zone 1, and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- Stainless steel enclosure

Specifications

Explosion Protection		
Global (IECEX)	IECEX CQM 11.0020X	
	Gas and Dust	Ex eb IIC T6 or T5 Gb
		Ex tb IIIC T80°C or T95°C Db IP66
		Ex ia IIC T6 Ga
		Ex tb IIIC T80°C Db IP66
Europe (ATEX)	LCIE 10 ATEX 3071X	
	Gas and Dust	Ex II 2 G Ex eb IIC T6 or T5 Gb
		Ex II 2 D Ex tb IIIC T80°C or T95°C Db IP66
		Ex II 1 G Ex ia IIC T6 Ga
		Ex II 2 D Ex tb IIIC T80°C Db IP66
Certificates		IECEX; ATEX; CU-TR; UL
Conformity to Standards		EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31
		IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31
		UL 1203, UL 508, UL 50, UL 50E, UL 508A
		CSA C22.2 No. 213, CSA C22.2 No. 14, CSA C22.2 No. 94.1, CSA C22.2 No. 94.2
GENERAL		
Enclosure Material		Stainless steel
Terminal		International brand of explosion-proof terminal blocks

Exposed Fastener		Stainless steel		
Rated Voltage		Max. 1000 V AC		
		Max. 1500 V DC		
Rated Current		Max. 1000 A		
		Cross Section	Ex e	Ex ia
		2.5 mm ²	24 A	5 A
		4 mm ²	32 A	5 A
		6 mm ²	41 A	–
		10 mm ²	57 A	–
		16 mm ²	76 A	–
		35 mm ²	125 A	–
		70 mm ²	192 A	–
		120 mm ²	269 A	–
		185 mm ²	353 A	–
		300 mm ²	520 A	–
		2 x 185 mm ²	550 A	–
		2 x 300 mm ²	700 A	–
		3 x 300 mm ²	1000 A	–
Internal & External Earthing		M6/M6		
Degree of Protection		IP66, IP67 (optional)		
Ambient Temperature	Ex eb	-40°C/-55°C/-60°C to +40°C/+60°C		
	Ex ia	-40°C/-55°C/-60°C to +60°C		

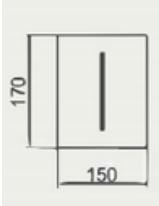
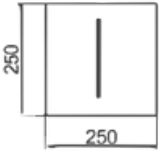
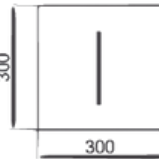
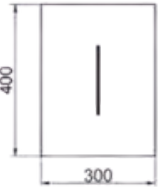
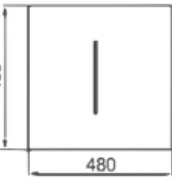
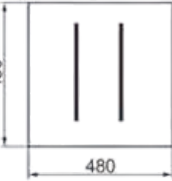
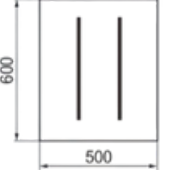
Cable Entry Options

Max. number of possible enclosure entries with cable glands DQM-1

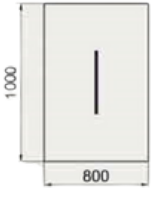
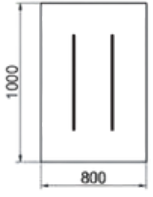
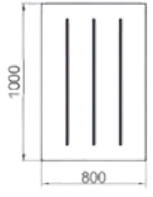
		M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 1.5	M115 x 1.5
I	A/B	2	2	1	1	1	–	–	–	–
	C/D	2	2	1	1	1	–	–	–	–
II	A/B	8	8	3	3	2	1	–	–	–
	C/D	8	8	3	3	2	1	–	–	–
III	A/B	10	8	5	5	3	2	–	–	–
	C/D	10	8	5	5	3	2	–	–	–
IIIB	A/B	15	12	8	8	6	2	–	–	–
	C/D	10	8	5	5	3	2	–	–	–
IV	A/B	10	10	5	4	3	3	–	–	–
	C/D	14	12	7	5	4	4	–	–	–
IVB	A/B	15	15	8	8	6	3	–	–	–
	C/D	21	18	10	10	8	4	–	–	–
V	A/B	16	16	8	6	5	4	–	–	–
	C/D	16	16	8	6	5	4	–	–	–
VB	A/B	24	24	21	12	10	8	–	–	–
	C/D	24	24	21	12	10	8	–	–	–
VI	A/B	27	24	14	12	10	5	–	–	–
	C/D	30	30	16	14	12	6	–	–	–
VIB	A/B	45	32	28	18	15	10	–	–	–
	C/D	55	40	32	21	18	12	–	–	–
VII	A/B	30	30	16	14	12	6	–	–	–
	C/D	42	39	22	20	16	8	–	–	–
VIIB	A/B	55	40	32	21	18	12	7	6	3
	C/D	70	52	44	30	24	16	11	9	4
VIII	A/B	70	52	44	30	24	16	11	9	4
	C/D	90	64	56	36	33	20	16	14	5

Note: For cable entries: 1) Please specify the direction and size of each cable entry. 2) Cable gland is optional, DQM-1 (Ex e) is recommended. 3) Can be equipped with gland plate.

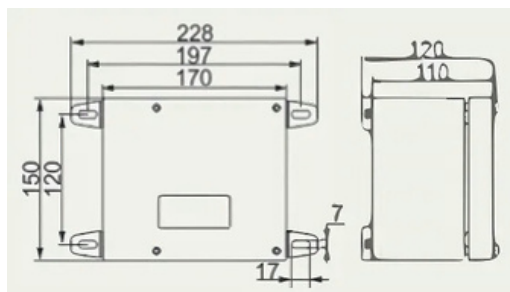
Selection of Terminal Boxes

Max. number of fitted terminals												
Type	Outline	2.5 mm ² (a)	4 mm ² (b)	6 mm ² (c)	10 mm ² (d)	16 mm ² (e)	35 mm ² (f)	70 mm ² (g)	120 mm ² (h)	185 mm ² (i)	300 mm ² (j)	Weight
I		12	12	8	–	–	–	–	–	–	–	1.73 kg (3.81 lb)
II		27	23	18	15	12	8	–	–	–	–	3.80 kg (8.38 lb)
III		30	28	25	20	14	10	–	–	–	–	5.20 kg (11.46 lb)
IIIB												5.77 kg (12.72 lb)
IV		45	40	35	28	23	9	–	–	–	–	6.50 kg (14.33 lb)
IVB												7.10 kg (15.65 lb)
V		56	50	40	30	20	16	–	–	–	–	12.40 kg (27.34 lb)
VB												17.60 kg (38.80 lb)
V		112	100	80	60	40	–	–	–	–	–	12.70 kg (28.00 lb)
VB												17.90 kg (39.46 lb)
VI		150	140	120	100	80	56	–	–	–	–	17.60 kg (38.80 lb)
VIB												26.40 kg (58.20 lb)

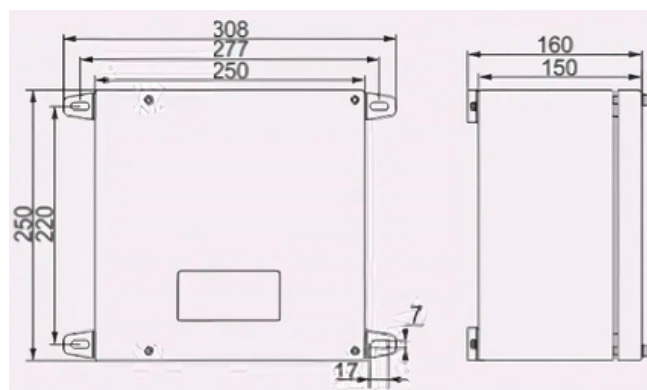
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VII		315	300	240	225	180	120	–	–	–	–	29.30 kg (64.60 lb)
VII B												34.30 kg (75.62 lb)
VIII		135	125	105	95	80	50	27	24	18	18	52.00 kg (114.64 lb)
		270	250	210	190	160	100	–	–	–	–	
		405	375	315	285	240	–	–	–	–	–	

Dimensions (mm)

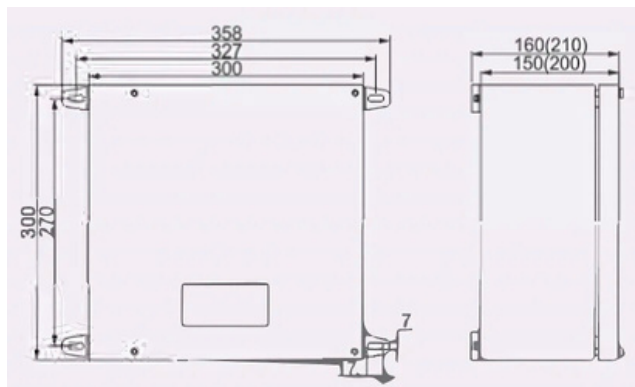


Type I

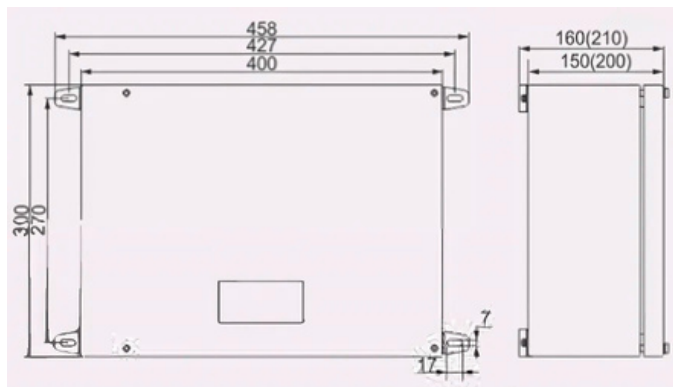


Type II

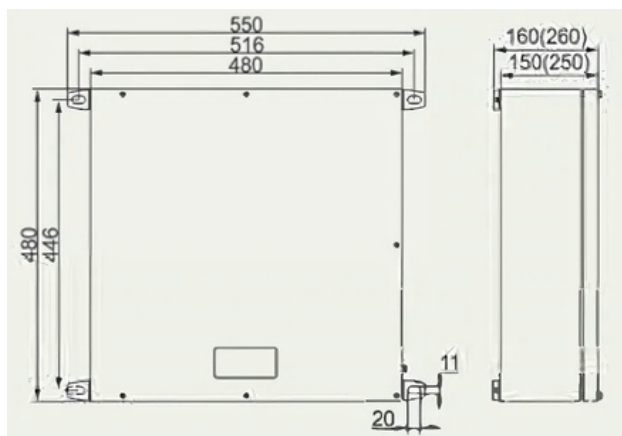
Dimensions (mm)



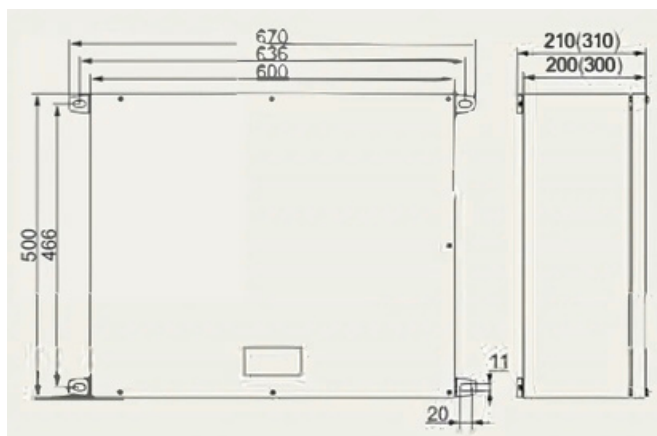
Type III, IIIB



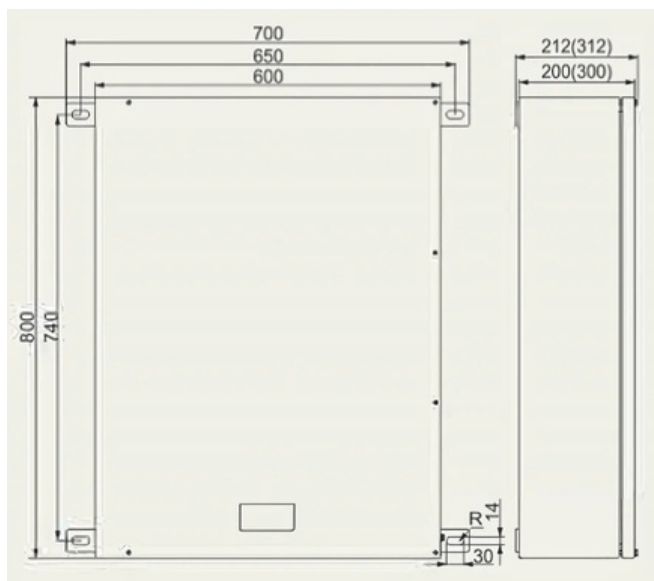
Type IV, IVB



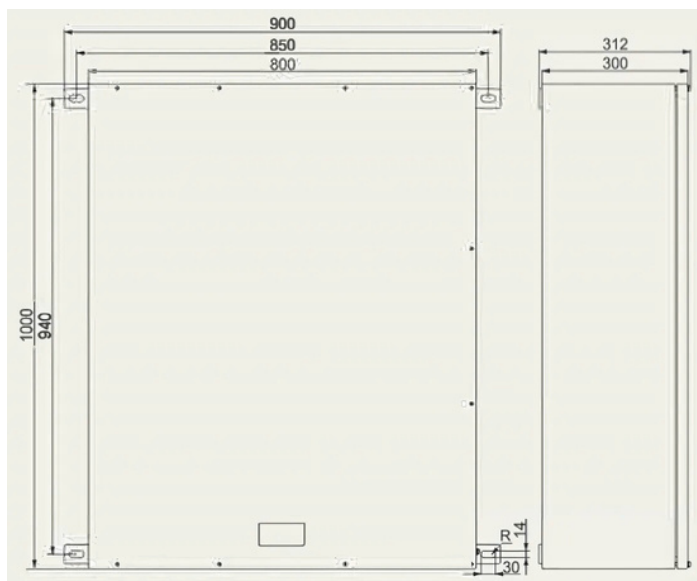
Type V, VB



Type VI, VIB



Type VII, VIIB



Type VIII