

Ex Stainless steel flange enclosures ProtEx



- Top quality stainless steel flange enclosure for aggressive environments
- Empty enclosure for individual fittings or Ex e / Ex ia junction box
- Standard with 1 flange, optional up to 4 flanges
- Welded mounting brackets
- Standard version grinded, optional electro-polished or painted



Technical Data

Explosion protection

Ex II 2 G

Ex II 2 D

Ex e II T6 (increased safety)

Ex ia IIC T6 (intrinsic safety)

Ex e (ia) IIC T6 (mixed fitting)

Certificates

IECEX PTB 07.0059U, PTB 00 ATEX 1101U, Gost R, INMETRO MC AEX-8298-U, Gost K

IECEX PTB 07.0060, PTB 00 ATEX 1052, INMETRO MC AEX-8504-X, Gost R, Gost K

Material

Stainless steel 1,5 mm, 1.4404/316L, flange plate: 3,0 mm, 1.4404/316L

Surface

Standard version grinded, optional electro-polished or painted

Ingress protection

IP 66 to EN 60529

Impact resistance

7 Joule to EN 60079-0

Temperature range

-20°C to +40°C (corresponds T6 = 85°C max. surface temperature)

-20°C to +55°C (corresponds T5 = 100°C max. surface temperature)

-20°C to +90°C (corresponds T4 = 135°C max. surface temperature)

to -55°C with special marking on request

Included in delivery

Empty enclosure:

Enclosure with hinged lid, flange plates (3 mm) silicone lid seal, silicone flange seal, welded external brackets, external earth bolt M10, internal fixing bolts, from enclosure type 9 with lid lifting device

Junction box:

Enclosure system - as before with individual fitting, DIN rail, terminals, cable glands

Product range

Order No. Ex e	Ex ia	empty enclosure	enclosure size	no. of flanges	flange type side B	dimensions H x W x D (mm)
35.06 02 00	36.06 02 00	34.06 02 00	02	1	F2	260 x 260 x 205
35.06 03 00	36.06 03 00	34.06 03 00	03	1	F3	306 x 306 x 205
35.06 04 00	36.06 04 00	34.06 04 00	04	1	F2	380 x 260 x 205
35.06 05 00	36.06 05 00	34.06 05 00	05	1	F4	458 x 382 x 205
35.06 06 00	36.06 06 00	34.06 06 00	06	1	F6	480 x 480 x 205
35.06 07 00	36.06 07 00	34.06 07 00	07	1	F4	500 x 350 x 205
35.06 08 00	36.06 08 00	34.06 08 00	08	1	F6	620 x 450 x 205
35.06 09 00	36.06 09 00	34.06 09 00	09	1	F7	740 x 550 x 205
35.06 10 00	36.06 10 00	34.06 10 00	10	1	F6	762 x 508 x 205
35.06 11 00	36.06 11 00	34.06 11 00	11	2	F3	860 x 640 x 205
35.06 12 00	36.06 12 00	34.06 12 00	12	2	F3	914 x 610 x 205
35.06 13 00	36.06 13 00	34.06 13 00	13	2	F4	980 x 740 x 205

electro-polished version: 34/35/36.04 xx xx

Accessories

Order No.	
34.06 50 02	Blind flange F1 165 x 139 fitting area
34.06 50 03	Blind flange F2 211 x 139 fitting area
34.06 50 04	Blind flange F3 266 x 139 fitting area
34.06 50 05	Blind flange F4 310 x 139 fitting area
34.06 50 06	Blind flange F5 363 x 139 fitting area
34.06 50 07	Blind flange F6 405 x 139 fitting area
34.06 50 08	Blind flange F7 510 x 139 fitting area
34.06.50 09	Blind flange F8 645 x 139 fitting area
34.04 51 02	Mounting plate for type 02
34.04 51 03	Mounting plate for type 03
34.04 51 04	Mounting plate for type 04
34.04 51 05	Mounting plate for type 05
34.04 51 06	Mounting plate for type 06
34.04 51 07	Mounting plate for type 07
34.04 51 08	Mounting plate for type 08
34.04 51 09	Mounting plate for type 09
34.04 51 10	Mounting plate for type 10
34.04 51 11	Mounting plate for type 11
34.04 51 12	Mounting plate for type 12
34.04 51 13	Mounting plate for type 13

Version with rain protection roof and document case on request
Rail fixing set on request

8. Technical annex

The technical annex shows detail informations of accessories as well as detail fitting tables and technical drawings.

Pictogram

	Dimension * h = height; w = width; d = depth		Cable glands, no.
	Cross connection		No. of terminals
	No. of flanges per side		Empty enclosure
	External mounting bracket		max. no. of internal cables
	External earthing, dimension in mm ²		Sheath clamp
	External earth bolt, dimension		Mounting plate
	max. fitting length		Continuity plate
	Blind flange, no. / side		Sealable lid screw
	Corner dimension, cable gland		PE bus bar
	Enclosure		PE bar
	Internal hinge		Current
	External hinge		DIN rail
	Weight		max. no. of DIN rails
	Threaded insert		Connecting flange
	Allen lid screw		Corrosion protection
	EMC		Silicone lid seal

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Terminal mounting

Make	Phoenix															
DIN rail TS 15				X	X			X								
DIN rail TS 32																
DIN rail TS 35	X	X	X			X	X		X	X	X	X	X	X	X	
Voltage (V)	352	550	690	275	420	690	690	275	690	690	690	690	880	1100	1100	
Current (A)	17	22	23	22,5	27	32,5	43,5	37	57	74	118,5	137	216	256	350	
Nominal cross section (mm²)	1,5	2,5	2,5	2,5	4	4	6	6	10	16	35	50	95	150	240	
Terminal width (mm)	4,2	5,2	5,2	5,2	6,2	6,2	8,2	8,2	10,2	12,2	16	20	25	31	36	
Terminal Type																
Enclosure Type	UK 1,5 N	UK 2,5 N	UK 3 N	MKB 3/E-Z	MXK 4	UK 5 N	UK 6 N	MBK 6/E	UK 10 N	UK 16 N	UK 35	UKH 50	UKH 95	UKH 150	UKH 240	
34/35/36.06 02 00	99	81	81	81	66	66	51	51	26	22	9	7				
34/35/36.06 03 00	176	144	144	144	90	90	66	66	54	30	12	9	7			
34/35/36.06 04 00	186	150	150	150	126	126	93	93	52	42	18	13	5			
34/35/36.06 05 00	400	325	325	325	252	252	192	192	132	84	44	26	13	8	7	
34/35/36.06 06 00	602	483	483	483	348	348	264	264	175	116	69	36	14	11	10	
34/35/36.06 07 00	450	365	365	365	244	244	184	184	111	93	50	22	15	7	6	
34/35/36.06 08 00	714	576	576	576	424	424	320	320	196	164	84	50	26	16	13	
34/35/36.06 09 00	1184	952	952	952	700	700	525	525	300	250	120	63	34	20	17	
34/35/36.06 10 00	1071	861	861	861	620	620	470	470	315	217	126	64	30	20	17	
34/35/36.06 11 00	1612	1300	1300	1300	952	952	720	720	459	360	192	111	60	32	28	
34/35/36.06 12 00	1701	1377	1377	1377	1024	1024	776	776	468	325	208	117	62	30	26	
34/35/36.06 13 00	2255	1815	1815	1815	1300	1300	975	975	600	490	240	155	72	40	34	

PE terminal as required

Make	Weidmüller																			
DIN rail TS 15	X	X	X	X																
DIN rail TS 32							X	X		X		X		X			X			
DIN rail TS 35					X	X			X		X		X		X	X	X	X	X	X
Voltage (V)	275	176	176	275	440	550	550	550	690	550	550	550	690	690	690	550	690	690	880	1100
Current (A)	14	10	15	21	21	21	21	28	28	36	36	50	50	66	66	109	109	126	167	202
Nominal cross section (mm²)	1,5	1,5	2,5	4	2,5	2,5	2,5	4	4	6	6	10	10	16	16	35	35	50	70	95
Terminal width (mm)	3,5	5,1	5,1	6,1	5,1	5,1	6	6,5	6,1	8	7,9	10	9,9	12	11,9	16	18	18,5	20,5	27
Terminal Type																				
Enclosure Type	WDU 1,5 / R 3,5/E	AKZ 1,5	AKZ 2,5	AKZ 4	WDU 2,5 N	WDU 2,5	SAK 2,5	SAK 4	WDU 4	SAK 6N	WDU 6	SAK 10	WDU 10	SAK 16	WDU 16	WDU 35	SAK 35	WDU 50N	WDU 70N	WDU 70/95
34/35/36.06 02 00	129	87	87	75	87	87	75	75	75	57	57	30	30	24	24	9	8	11		
34/35/36.06 03 00	224	156	156	96	156	156	96	96	96	72	72	57	57	32	32	12	11	14	9	7
34/35/36.06 04 00	215	150	150	100	150	150	100	100	100	76	76	60	60	36	36	18	18	18	7	5
34/35/36.06 05 00	390	265	265	180	265	265	180	180	180	136	136	108	108	66	66	34	30	36	13	10
34/35/36.06 06 00	430	365	365	305	365	365	305	305	305	184	184	148	148	124	124	69	60	46	36	36
34/35/36.06 07 00	345	235	235	195	235	235	195	195	195	120	120	72	72	60	60	45	39	32	22	9
34/35/36.06 08 00	990	693	693	512	693	693	512	392	392	392	392	234	234	160	160	96	84	66	38	28
34/35/36.06 09 00	1386	946	946	648	946	946	803	612	612	495	495	308	308	252	252	108	96	81	63	32
34/35/36.06 10 00	1254	858	858	650	858	858	726	610	610	500	500	320	320	231	231	125	110	75	57	28
34/35/36.06 11 00	2054	1352	1352	957	1352	1352	1196	902	902	726	726	477	477	352	352	165	145	132	78	57
34/35/36.06 12 00	2002	1372	1372	984	1372	1372	1148	924	924	744	744	450	450	328	328	186	162	138	72	54
34/35/36.06 13 00	2700	1860	1860	1339	1860	1860	1545	1261	1261	1027	1027	630	630	468	468	234	210	185	120	69

PE terminal as required

34.06 02 00

 4870 g

 **N** **DIN 50262**

M		Side		PG		Side	
		A/B*	CD**			A/B*	CD**
12	17,25	98	75	7	17,25	98	75
16	25,30	43	34	9	21,85	60	45
20	27,60	34	25	11	25,30	43	34
25	37,95	18	13	13,5	27,60	34	25
32	48,30	10	7	16	31,05	28	21
40	60,95	6	4	21	37,95	18	13
50	69,00	4	4	29	48,30	10	7
63	74,75	4	2	36	60,95	6	4
				42	69,00	4	4
				48	74,75	4	2

*** Base: Terminal block Phoenix Contact, further see page 88

34.06 03 00

 6010 g

 **N** **DIN 50262**



M		Side		PG		Side	
		A/B*	CD**			A/B*	CD**
12	17,25	125	98	7	17,25	125	98
16	25,30	58	43	9	21,85	77	60
20	27,60	43	34	11	25,30	58	43
25	37,95	24	18	13,5	27,60	43	34
32	48,30	13	10	16	31,05	38	28
40	60,95	8	6	21	37,95	24	18
50	69,00	6	4	29	48,30	13	10
63	74,75	6	4	36	60,95	8	6
				42	69,00	6	4
				48	74,75	6	4

*** Base: Terminal block Phoenix Contact, further see page 88

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Type: **Ex e 35.06 04 00**

Ex ia 36.06 04 00



34.06 04 00

ATEX

h x w x d

380 x 260 x 205 mm



6360 g

l in mm	in mm						
TS 35							
198	153	M10	•	•	1 (B)		

	1,5	2,5	4	6	10	16	25	35	50	70	95	120
	186	150	126	93	52	42	18	18	13	5	5	4
	5	5	4	4	4	3	2	2	1	1	1	1
	6											
	10	63	114									
	16	24	43	71								
	20	10	26	45	76							
	25		13	28	45							
	35			8	21	41						
	50				3	17	34	109				
	63					6	19	37				
	80						7	20	33			
	100							9	18	33		
	125								8	17	32	
	160									7	15	27
	200										6	13
	225											2
	250											8
	315											4
	400											
	500											

* Standard only side B, optional side A

** Optional flange side C/D

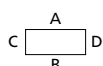
*** Base: Terminal block Phoenix Contact, further see page 88

N DIN 50262 							
M		Side		PG		Side	
		A/B*	C/D**			A/B*	C/D**
12		17,25	98	125	7	17,25	98
16		25,30	43	58	9	21,85	60
20		27,60	34	43	11	25,30	43
25		37,95	18	24	13,5	27,60	34
32		48,30	10	13	16	31,05	28
40		60,95	6	8	21	37,95	18
50		69,00	4	6	29	48,30	10
63		74,75	4	6	36	60,95	6
				42		69,00	4
				48		74,75	4

34.06 05 00

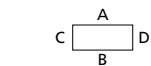
 9120 g[illegible]

*** Base: Terminal block Phoenix Contact, further see page 88

91

34.06 06 00

11010 g

							
M		Side		PG		Side	
		A/B*	C/D**			A/B*	C/D**
12	17,25	201	179	7	17,25	201	179
16	25,30	91	79	9	21,85	122	108
20	27,60	70	63	11	25,30	91	79
25	37,95	38	34	13,5	27,60	70	63
32	48,30	22	19	16	31,05	61	53
40	60,95	12	9	21	37,95	38	34
50	69,00	10	8	29	48,30	22	19
63	74,75	8	8	36	60,95	12	9
				42	69,00	10	8
				48	74,75	8	8

34.06 07 00

 9190 g[illegible]

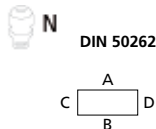
*** Base: Terminal block Phoenix Contact, further see page 88

93

34.06 08 00

12790 g

* Standard only side B, optional side A
 ** Optional flange side C/D
 *** Base: Terminal block Phoenix Contact, further see page 88

94

34.06 09 00

18200 g

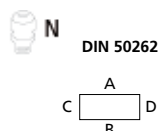
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 ** Optional flange side C/D
 *** Base: Terminal block Phoenix Contact, further see page 88

95

34.06 10 00

 13930 g[illegible]

*** Base: Terminal block Phoenix Contact, further see page 88

96

 **34.06 11 00**

 18540 g

[illegible]

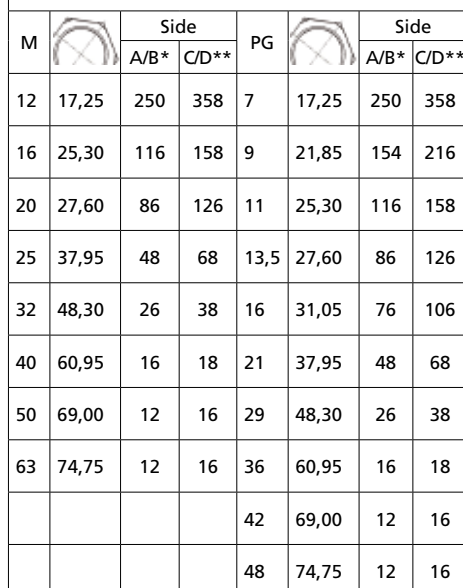
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97

34.06 12 00

23460 g

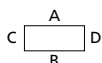
* Standard only side B, optional side A
 ** Optional flange side C/D
 *** Base: Terminal block Phoenix Contact, further see page 88



34.06 13 00

19040 g

*** Base: Terminal block Phoenix Contact, further see page 88

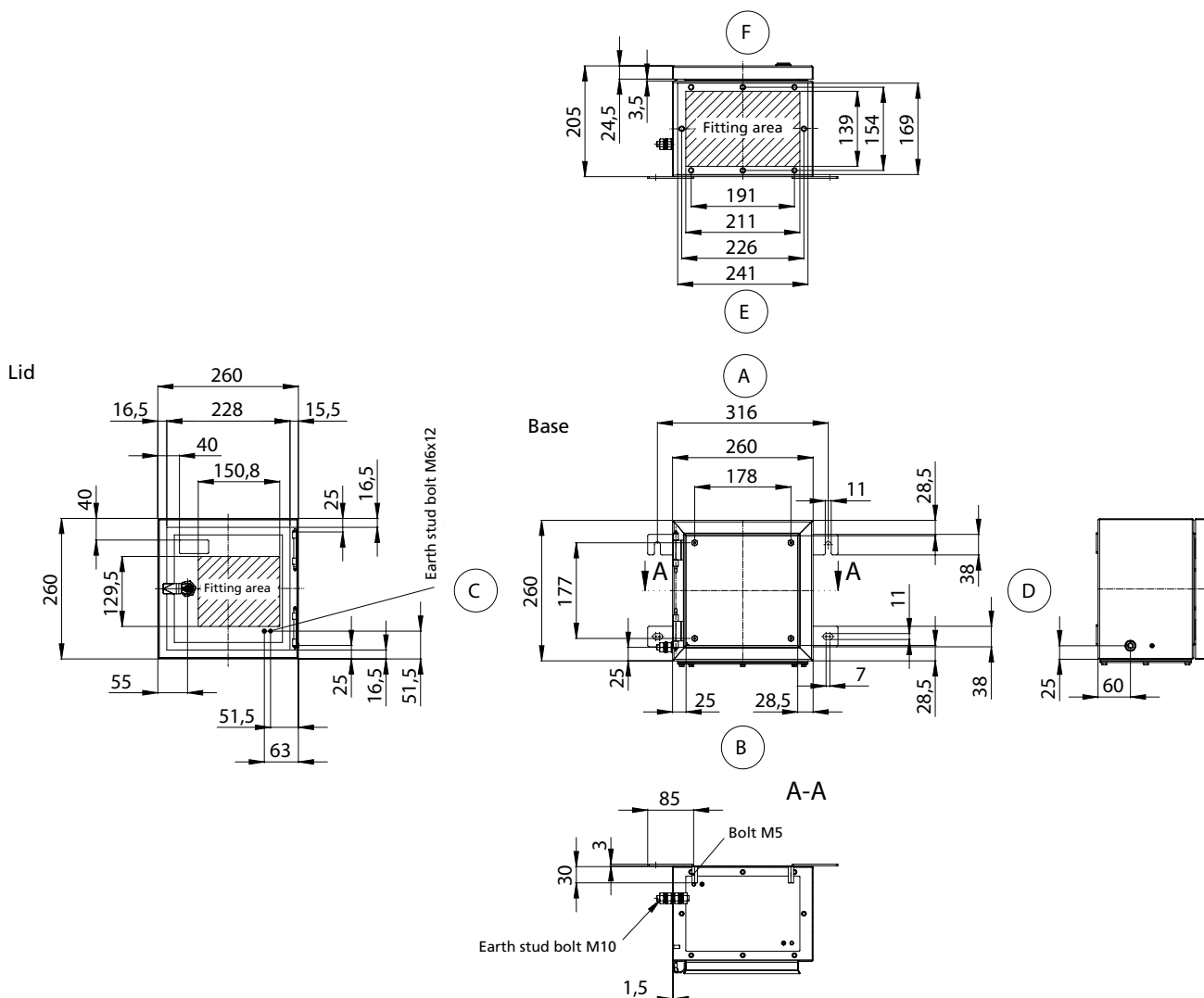
99

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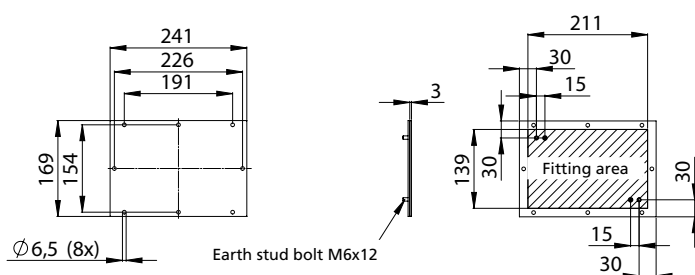


Dimensions

Type: **34./35./36.06 02 00**



Flange dimensions

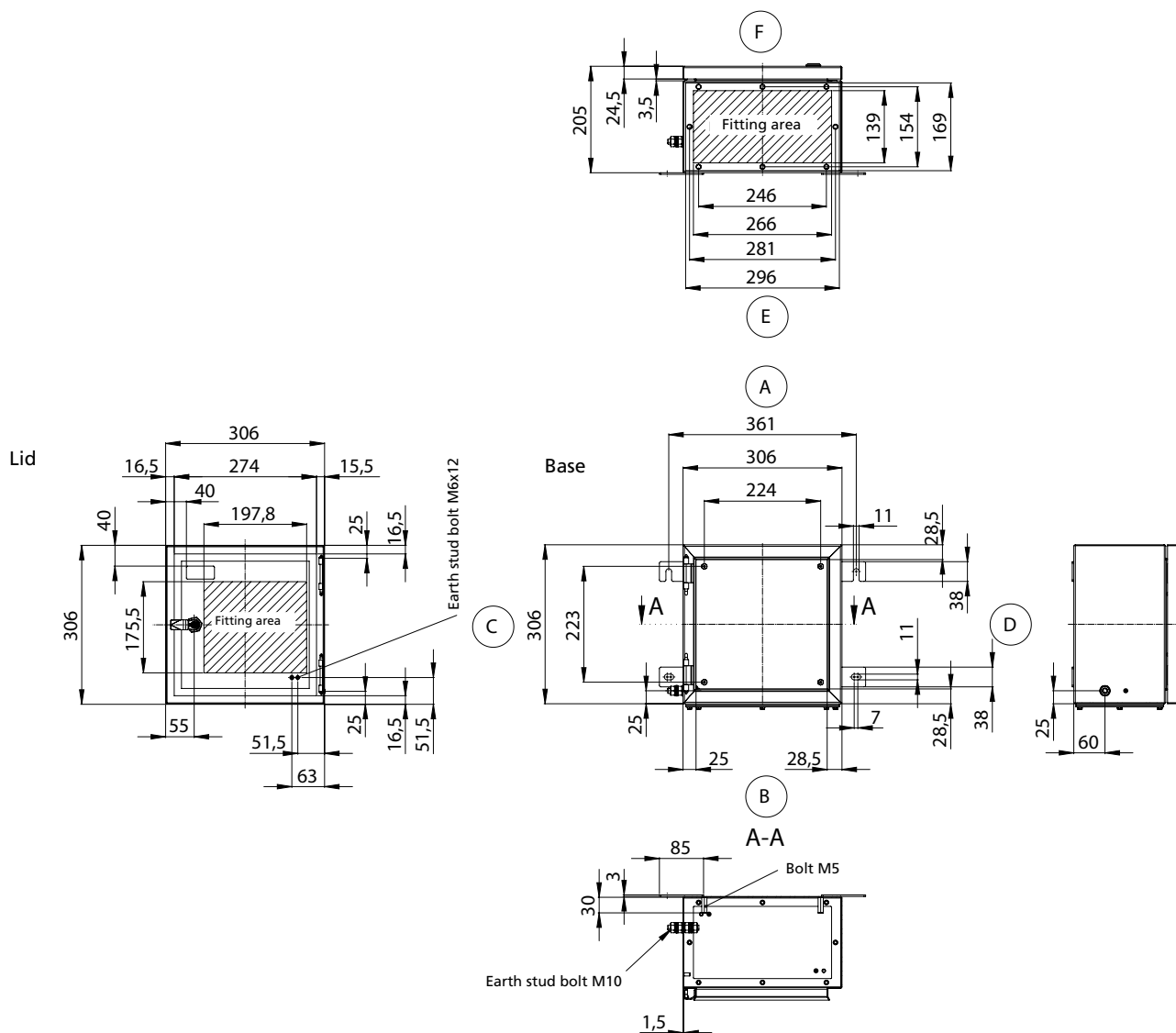


Ex Stainless steel flange enclosures ProtEx

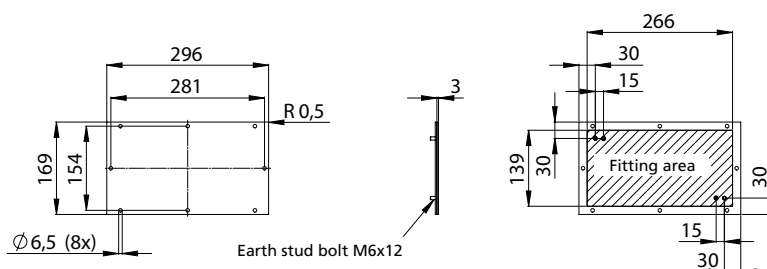


Dimensions

Type: 34./35./36.06 03 00



Flange dimensions

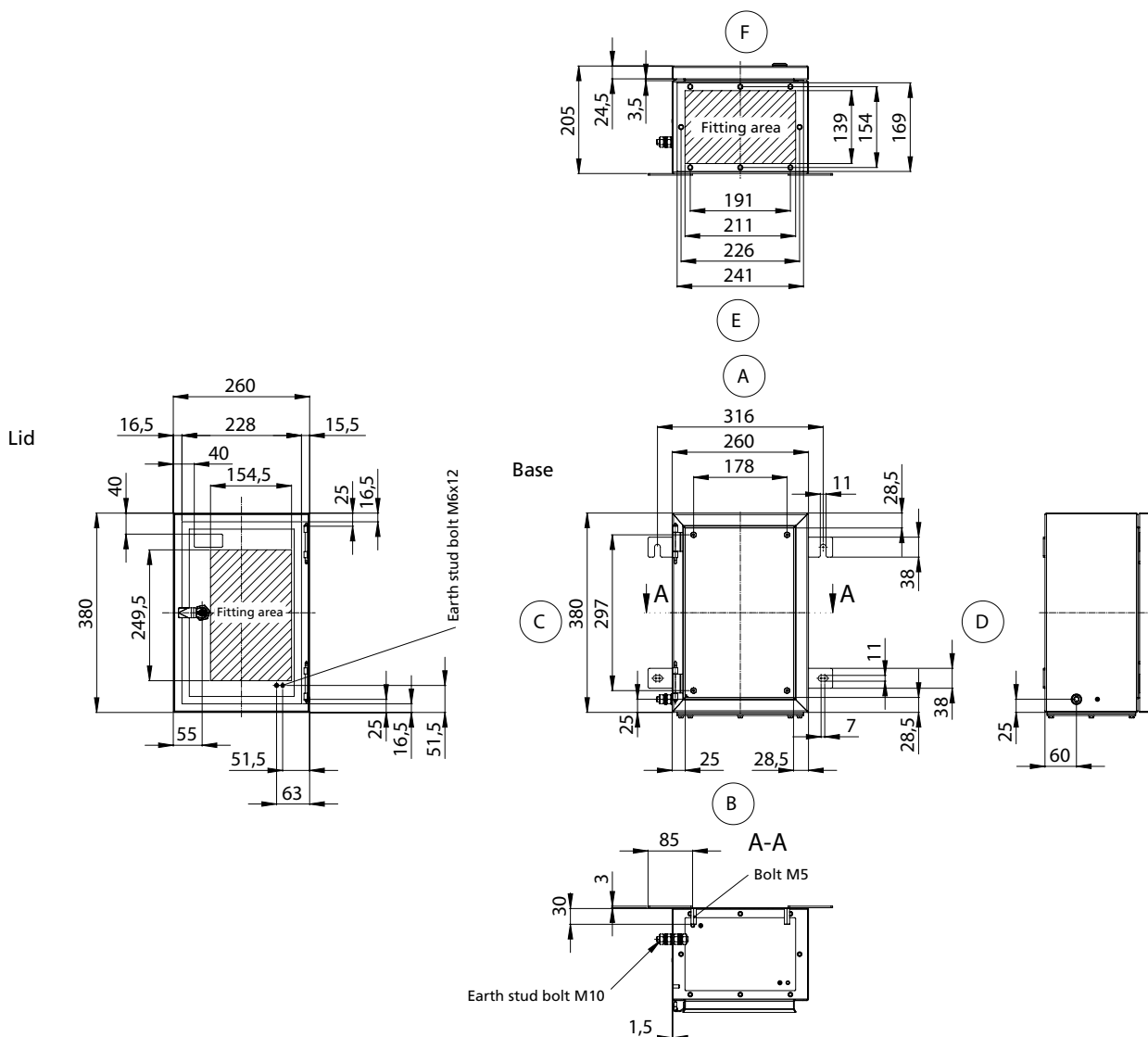


Ex Stainless steel flange enclosures ProtEx

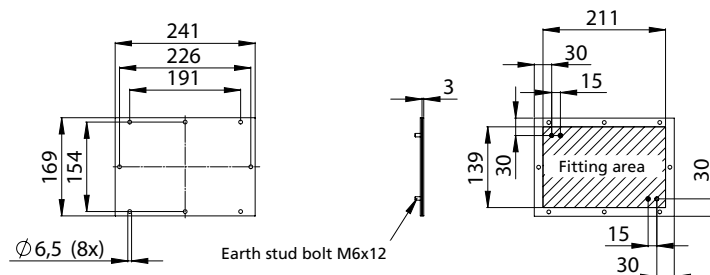


Dimensions

Type: 34./35./36.06 04 00



Flange dimensions

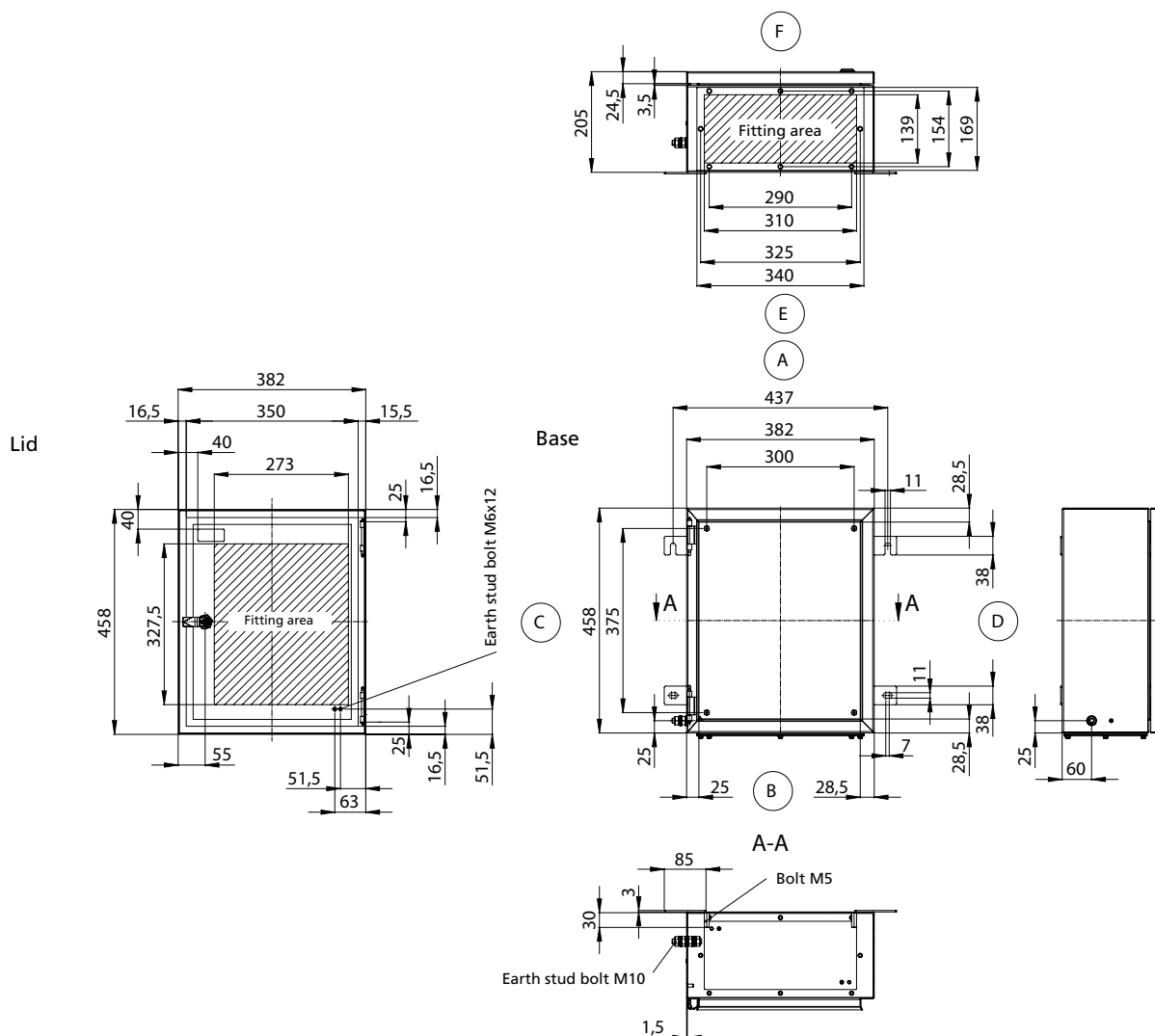


Ex Stainless steel flange enclosures ProtEx

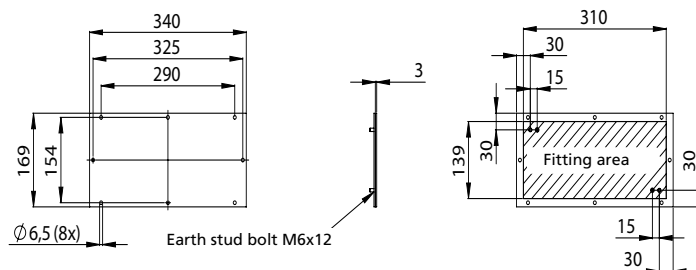


Dimensions

Type: **34./35./36.06 05 00**



Flange dimensions

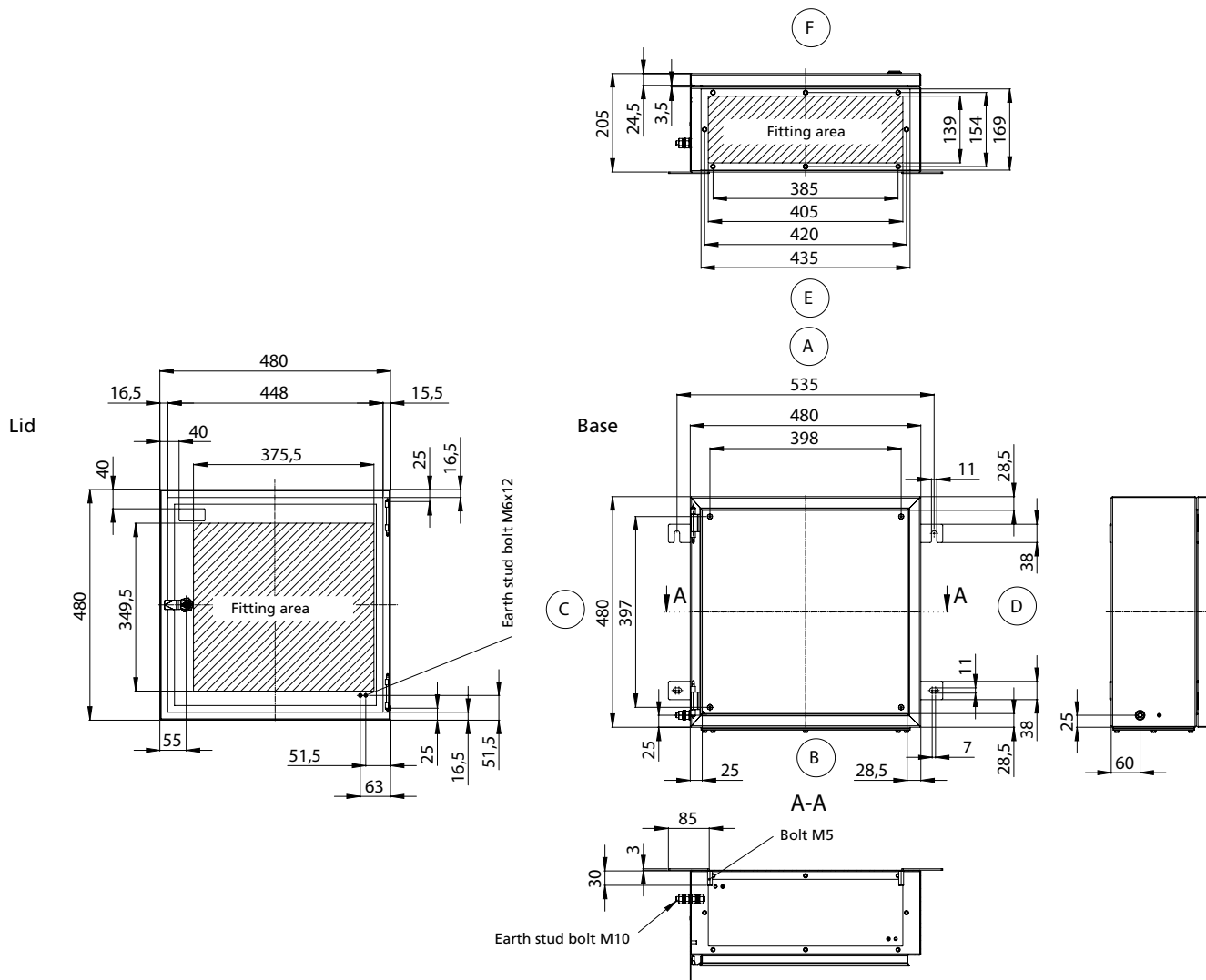


Ex Stainless steel flange enclosures ProtEx

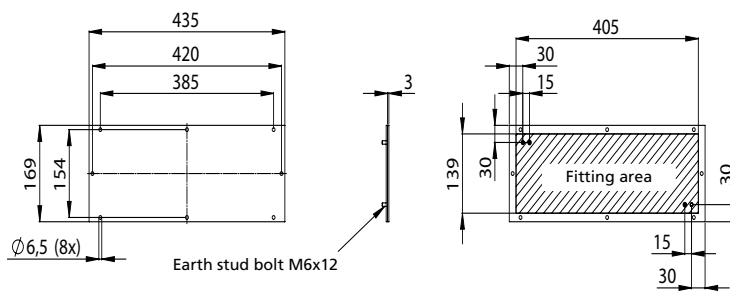


Dimensions

Type: 34./35./36.06 06 00



Flange dimensions

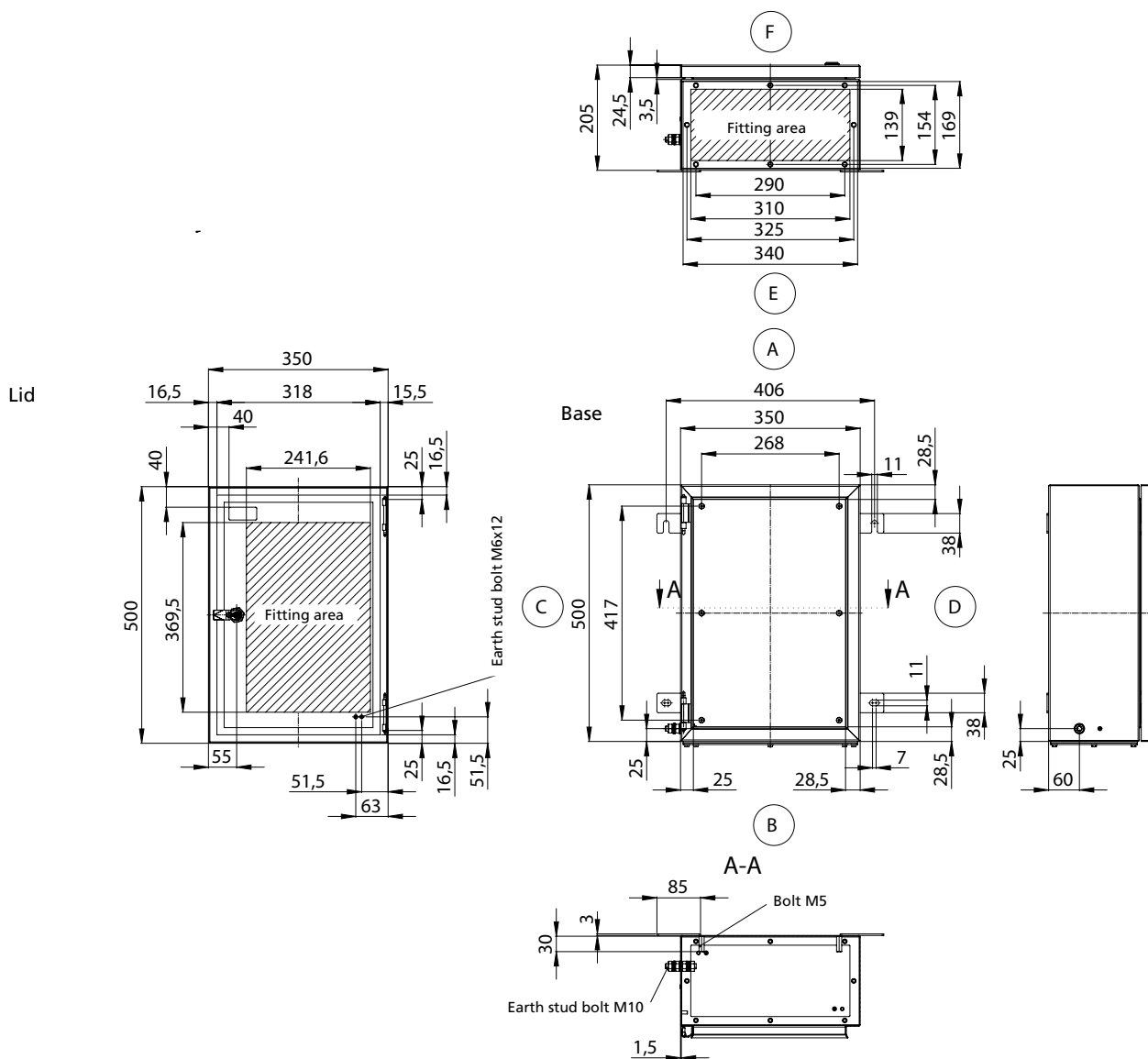


Ex Stainless steel flange enclosures ProtEx

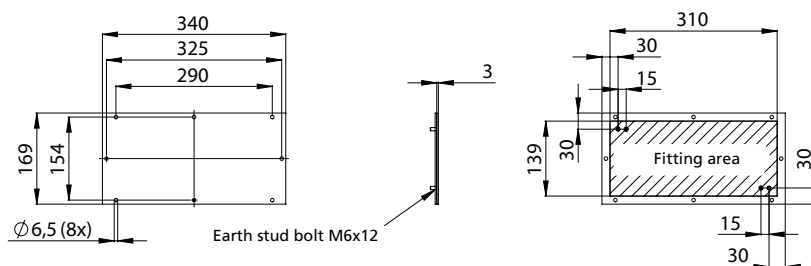


Dimensions

Type: 34./35./36.06 07 00



Flange dimensions

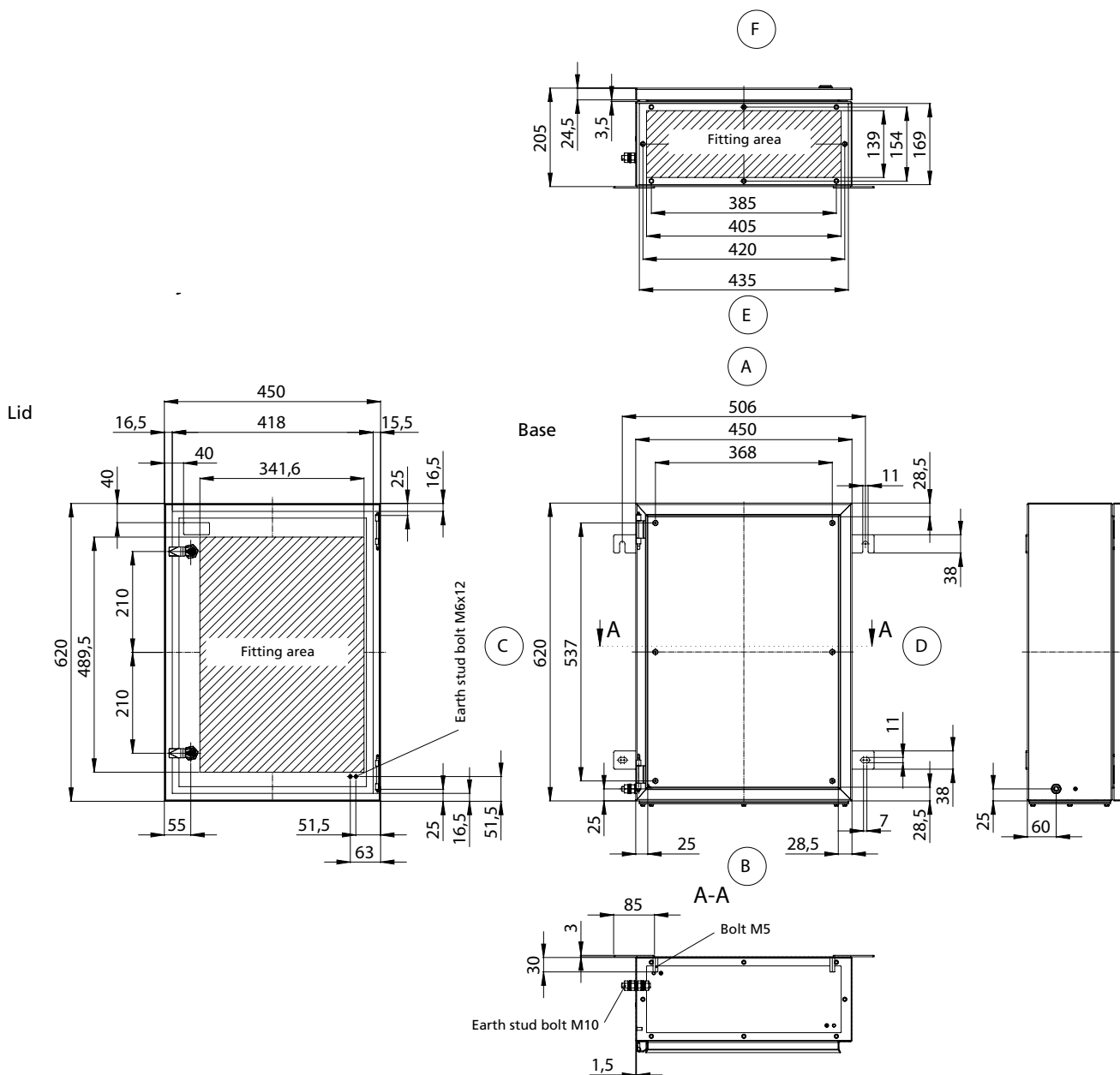


Ex Stainless steel flange enclosures ProtEx

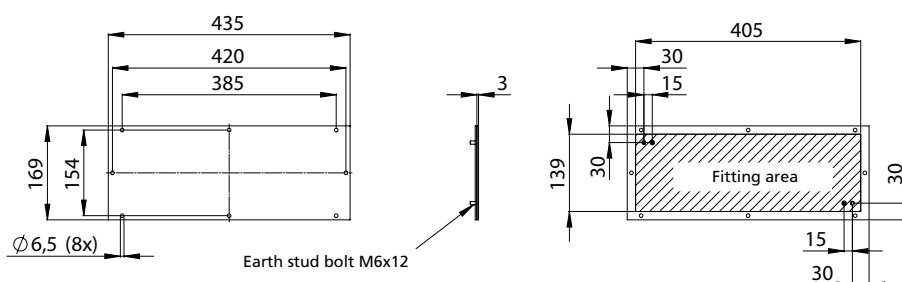


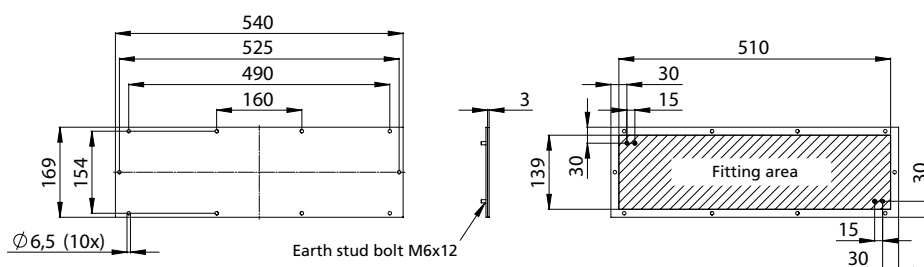
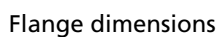
Dimensions

Type: 34./35./36.06 08 00



Flange dimensions



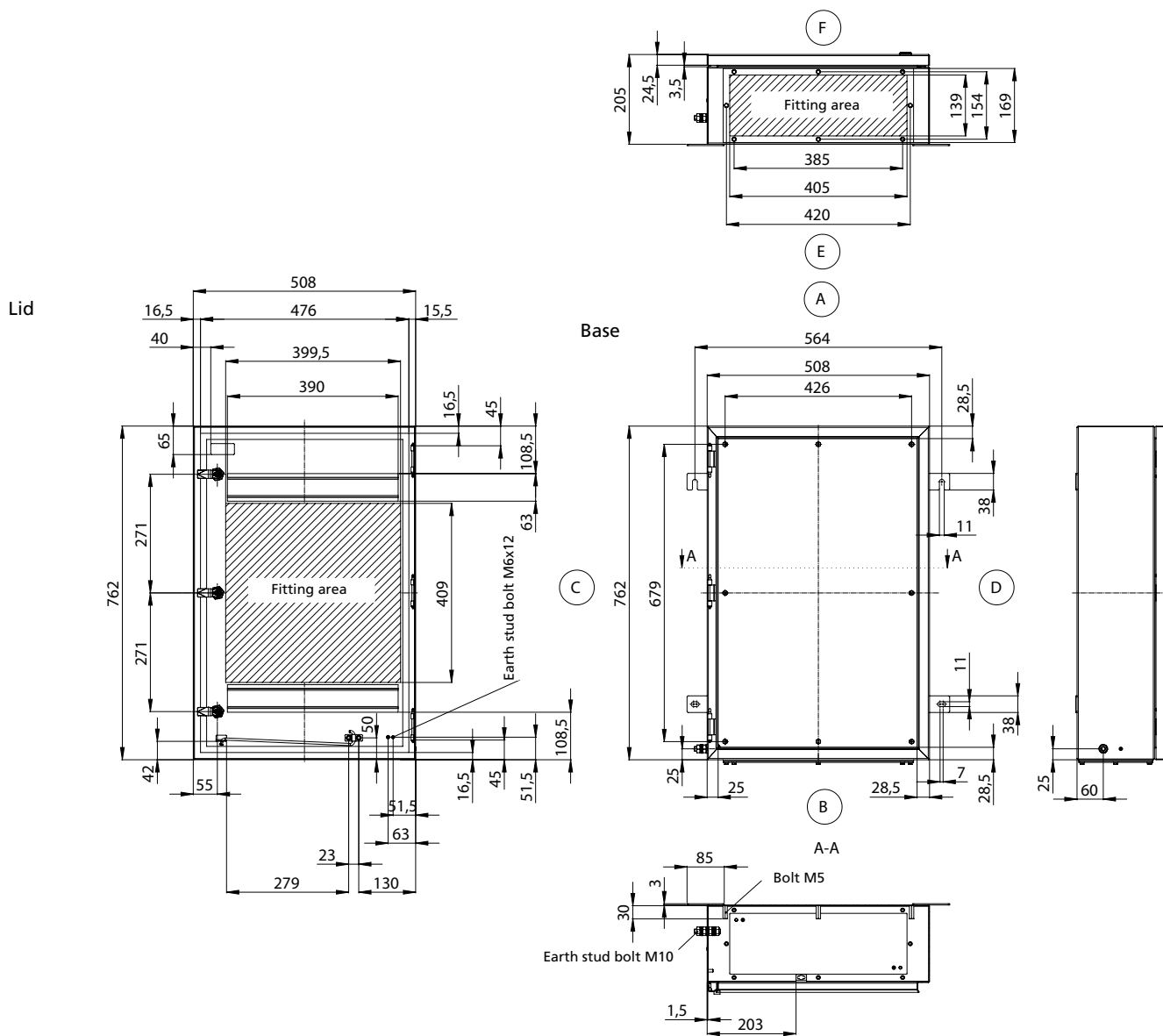
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Ex Stainless steel flange enclosures ProtEx

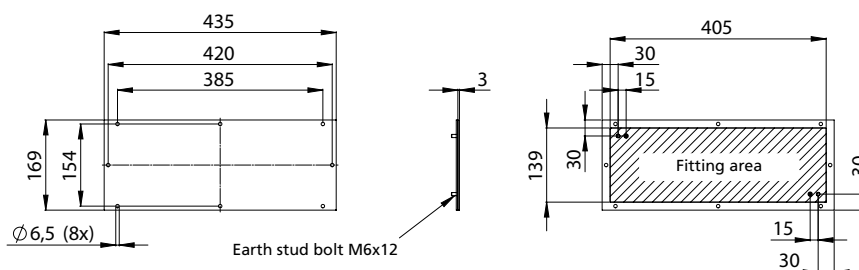


Dimensions

Type: 34./35./36.06 10 00



Flange dimensions



Type: **34./35./36.06 11 00**

110

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Dimensions

Type: **34./35./36.06 13 00**

