

ATEX 



STAINLESS STEEL EX FLANGE ENCLOSURES

Plan the beginning ...

... anticipate the end.



A Phoenix Mecano Company

AUDIN

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- Stainless steel flange enclosures for applications in harsh environments
- Industrial execution with 1 and/or 4 flange openings
- Easy entrance to interior by large flange opening area
- Custom made dimensions from 25 pcs.

Technical Data

Explosion protection:

 II 2 G / 2 D

EEx e II T6 (increased safety)

EEx ia IIC T6 (intrinsic safety)

EEx e(ia) IIC T6 (mixed fitting)

Temperature classes T5 and T4 on request

Certificates:

Empty enclosure with hinged lid:

PTB 00 ATEX 1101U

Terminal enclosure: PTB 00 ATEX 1052

Material:

Stainless steel 1.5 mm, 1.4404/316L

Flange plate: 3.0 mm, 1.4404/316L

Surface:

grinded, grain 240

Ingress protection:

IP 66, EN 60529

Impact resistance:

>7 Joule, EN 50014

Temperature range of application acc. EN:

-20° to +40°C

(corresponds T6 = 85°C surface temperature)

-20° to +55°C

(corresponds T5 = 100°C surface temperature)

-20° to +95°C

(corresponds T4 = 135°C surface temperature)

-55°C with special marking on request

Included in delivery:

Empty enclosure:

Enclosure with hinged lid, flange plates, silicone lid seal, CR flange seal, welded mounting brackets, external earth connection.

Terminal enclosure:

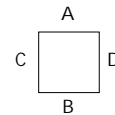
Depending on version with hinged lid, flange plates, silicone lid seal, CR flange seal, welded mounting brackets, external earth connection, DIN rails, internal earth connection, terminals, manufacturing, cable glands.

Stainless steel Ex flange enclosures

Programme range

Ex e	Ex ia	empty enclosure	dimensions in mm W x L x H	flange version No. of flange	side	flange opening area dimension in mm
35.03 33 01	36.03 33 01	34.03 33 01	306 x 306 x 217	1	B	140 x 230
35.03 43 01	36.03 43 01	34.03 43 01	458 x 382 x 217	1	B	140 x 340
35.03 75 04	36.03 75 04	34.03 75 04	762 x 508 x 217	4	A,B,C,D	A/B: 140 x 590; C/D: 140 x 340
35.03 86 04*	36.03 86 04*	34.03 86 04*	860 x 640 x 217	4	A,B,C,D	A/B: 140 x 590; C/D: 140 x 460
35.03 97 04*	36.03 97 04*	34.03 97 04*	980 x 740 x 217	4	A,B,C,D	A/B: 140 x 590; C/D: 140 x 460
35.03 99 99	36.03 99 99	34.03 99 99	special dimension			on request

* on request



Accessories

Type	DIN rail TS 35	PE bar	Mounting plate
34/35/36.03 33 01	•	•	•
34/35/36.03 43 01	•	•	•
34/35/36.03 75 04	•	•	•
34/35/36.03 86 04	•	•	•
34/35/36.03 97 04	•	•	•

Flange plates (reserve)

			outside dimension (mm)
36.03 99 01	Flange plate	140 x 230	170 x 260
36.03 99 02	Flange plate	140 x 340	170 x 370
36.03 99 03	Flange plate	140 x 460	170 x 490
36.03 99 04	Flange plate	140 x 590	170 x 620

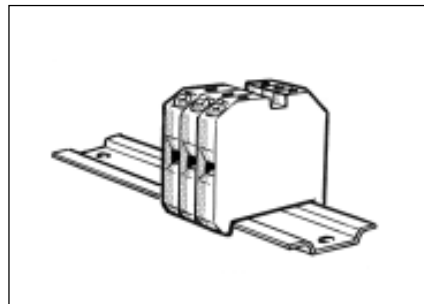
Mounting plates

	for enclosure type
36.03 99 11	34/35/36.03 33 01
36.03 99 12	34/35/36.03 41 01
36.03 99 13	34/35/36.03 75 04
36.03 99 14	34/35/36.03 86 04
36.03 99 15	34/35/36.03 97 04

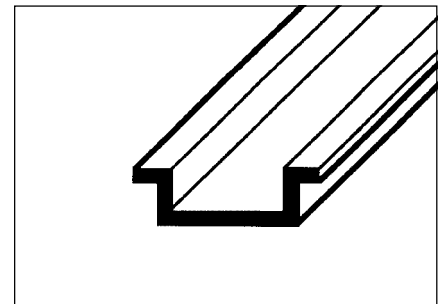
Accessories / Version



PE bar



PE terminal blocks



DIN rail

Type: **E Ex e 35.03 33 01**

E Ex ia 36.03 33 01

Ex empty enclosure **34.03 33 01**

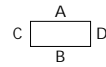
Certification **ATEX**

External dimensions **306 x 306 x 217 mm**

Weight **7,5 kg**

DIN rail length in mm (horizontal)	max. fitting length in mm	External earth stud bolt	External mounting brackets	Hinge	Number of flanges (side)										
TS 35															
250	212	M10	•	•	1 (B)										

max. number of cable glands acc. to DIN 50262* depends on flanges



Diameter of connection (mm²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	
max. number of terminals**	100	80	68	50	40	34	26	26	20	8	8	6	6	5	5	
max. number of DIN rails	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	
Number of internal cables in dependence to current/A	6															
	10	105														
	16	36	70	272												
	20	15	41	79												
	25		19	45	86											
	35			13	33	84										
	50				5	27	69									
	63					9	32	114								
	80						12	36	128							
	100							15	33							
	125								13	34						
	160									11	30					
	200										10	26	80			
	225											4	15	31		
	250												8	19	40	
	315													4	11	24
	400															5
500																2

M	Cross-corner dim.	Side	
		B	
12	17,25	58	
16	25,30	38	
20	27,60	27	
25	37,95	17	
32	48,30	8	
40	60,95	5	
50	69,00	5	
63	74,75	2	

Number or internal cables/2 = number of terminals

* not for armoured cables

** Base: Terminal block Phoenix Contact, further see page 5

Type: **E Ex e 35.03 43 01**

E Ex ia 36.03 43 01

Ex empty enclosure **34.03 43 01**

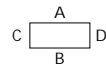
Certification **ATEX**

External dimensions **458 x 382 x 217 mm**

Weight **10,75 kg**

DIN rail length in mm (horizontal)	max. fitting length in mm	External earth stud bolt	External mounting brackets	Hinge	Number of flanges (side)										
TS 35															
402	364	M10	•	•	1 (B)										

max. number of cable glands acc. to DIN 50262* depends on flanges



Diameter of connection (mm²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	
max. number of terminals**	258	210	174	132	105	87	69	69	36	28	28	22	22	20	20	
max. number of DIN rails	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	
Number of internal cables in dependence to current/A	6															
	10	121														
	16	41	80	312												
	20	17	47	90												
	25		22	51	98											
	35			15	38	96										
	50				5	31	79									
	63					10	37	131								
	80						14	41	146							
	100							17	38							
	125								15	39						
	160									13	34					
	200										12	30	92			
	225											4	17	36		
	250												9	22	46	
	315													4	13	27
	400															6
500																2

M	Cross-corner dim.	Side	
		B	
12	17,25	88	
16	25,30	58	
20	27,60	39	
25	37,95	23	
32	48,30	12	
40	60,95	9	
50	69,00	7	
63	74,75	3	

Number or internal cables/2 = number of terminals

* not for armoured cables

** Base: Terminal block Phoenix Contact, further see page 5

Type: **E Ex e 35.03 75 04**

E Ex ia 36.03 75 04

Ex empty enclosure **34.03 75 04**

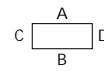
Certification **ATEX**

External dimensions **762 x 508 x 217 mm**

Weight **24,5 kg**

DIN rail length in mm (horizontal)	max. fitting length in mm	External earth stud bolt	External mounting brackets	Hinge	Number of flanges (side)										
TS 35															
706	668	M10	•	•	4 (A/B/C/D)										

max. number of cable glands acc. to **DIN 50262*** depends on flanges



Diameter of connection (mm²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240		
	max. number of terminals**	636	512	428	324	260	216	172	172	99	78	78	63	63	54	54	
max. number of DIN rails	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3		
Number of internal cables in dependence to current/A	6																
	10	146															
	16	50	97	377													
	20	20	56	109													
	25		27	62	119												
	35			18	47	116											
	50				7	38	96										
	63					13	44	158									
	80						17	49	177								
	100							21	46								
	125								2	19	47						
	160									16	41						
	200										15	36	111				
	225											5	21	43			
	250												11	26	55		
	315													5	16	33	
	400															7	23
500																	3

M	Cross-corner dim.	Side	
		A/B	C/D
12	17,25	154	88
16	25,30	103	58
20	27,60	71	39
25	37,95	44	23
32	48,30	22	12
40	60,95	19	9
50	69,00	15	7
63	74,75	6	3

Number or internal cables/2 = number of terminals
 * not for armoured cables
 ** Base: Terminal block Phoenix Contact, further see page 5

Type: **E Ex e 35.03 86 01**

E Ex ia 36.03 86 01

Ex empty enclosure **34.03 86 01**

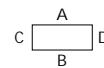
Certification **ATEX**

External dimensions **860 x 640 x 217 mm**

Weight **29,5 kg**

DIN rail length in mm (horizontal)	max. fitting length in mm	External earth stud bolt	External mounting brackets	Hinge	Number of flanges (side)										
TS 35															
804	766	M10	•	•	4 (A/B/C/D)										

max. number of cable glands acc. to **DIN 50262*** depends on flanges



Diameter of connection (mm²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240		
	max. number of terminals**	1092	882	738	558	450	372	250	250	152	120	120	72	72	63	63	
max. number of DIN rails	6	6	6	6	6	6	5	5	4	4	4	3	3	3	3		
Number of internal cables in dependence to current/A	6																
	10	165															
	16	56	109	425													
	20	23	64	123													
	25		30	70	134												
	35			20	53	131											
	50				7	43	108										
	63					14	50	178									
	80						19	56	200								
	100							24	53								
	125								2	21	53						
	160									18	47						
	200										17	41	125				
	225											6	23	49			
	250												12	30	62		
	315													6	18	37	
	400															8	26
500																	3

M	Cross-corner dim.	Side	
		A/B	C/D
12	17,25	154	124
16	25,30	103	83
20	27,60	71	55
25	37,95	44	35
32	48,30	22	18
40	60,95	19	13
50	69,00	15	11
63	74,75	6	5

Number or internal cables/2 = number of terminals
 * not for armoured cables
 ** Base: Terminal block Phoenix Contact, further see page 5

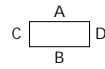
Certification **ATEX**

External dimensions **980 x 740 x 217 mm**

Weight **38,5 kg**

DIN rail length in mm (horizontal)	max. fitting length in mm	External earth stud bolt	External mounting brackets	Hinge	Number of flanges (side)				
TS 35									
924	886	M10	•	•	4 (A/B/C/D)				

max. number of **cable glands** acc. to **DIN 50262*** depends on flanges



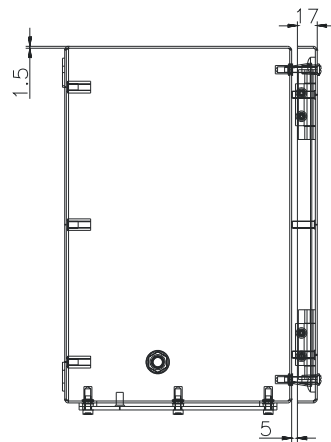
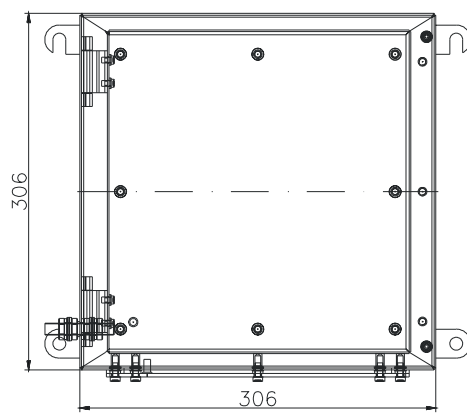
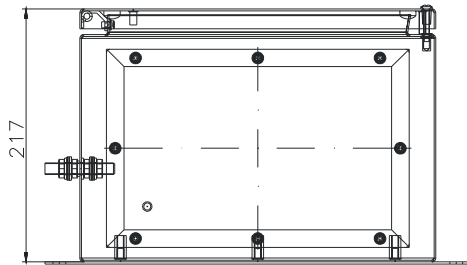
Diameter of connection (mm²)	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	max. number of terminals**	1470	1190	994	756	602	504	348	348	220	175	175	112	112	96
max. number of DIN rails	7	7	7	7	7	7	6	6	5	5	5	4	4	4	4
Number of internal cables in dependence to current/A	6														
	10	180													
	16	62	120	466											
	20	25	70	135											
	25		33	76	147										
	35			22	58	143									
	50				8	47	119								
	63					16	55	195							
	80						21	61	219						
	100							26	58						
	125								2	23	58				
	160									20	51				
	200										18	44	137		
	225										7	25	54		
	250											13	33	68	
	315												7	20	41
400														9	28
500															4

M	Cross-corner dim.	Side	
		A/B	C/D
12	17,25	154	124
16	25,30	103	83
20	27,60	71	55
25	37,95	44	35
32	48,30	22	18
40	60,95	19	13
50	69,00	15	11
63	74,75	6	5

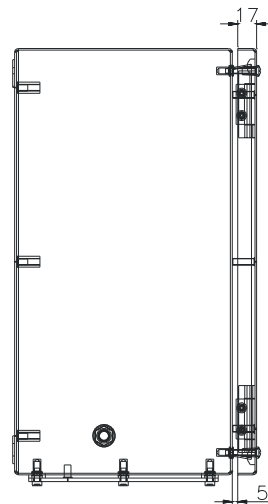
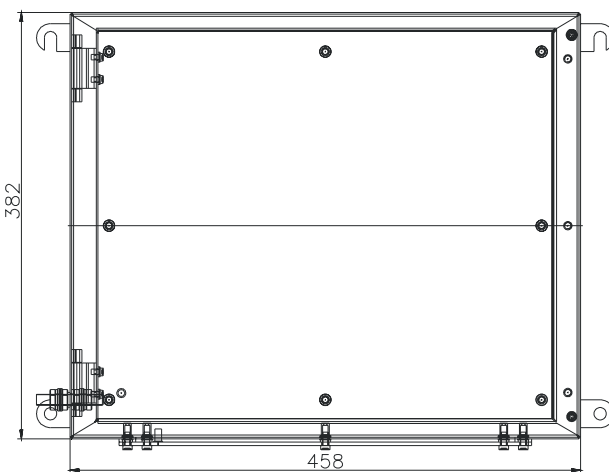
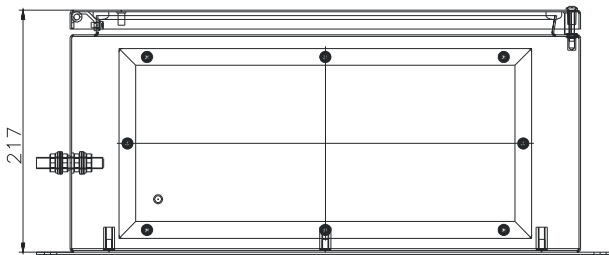
Number of internal cables/2 = number of terminals
 * not for armoured cables
 ** Base: Terminal block Phoenix Contact, further see page 5

Abmessungen

Typ: 35./36./34.03 33 01



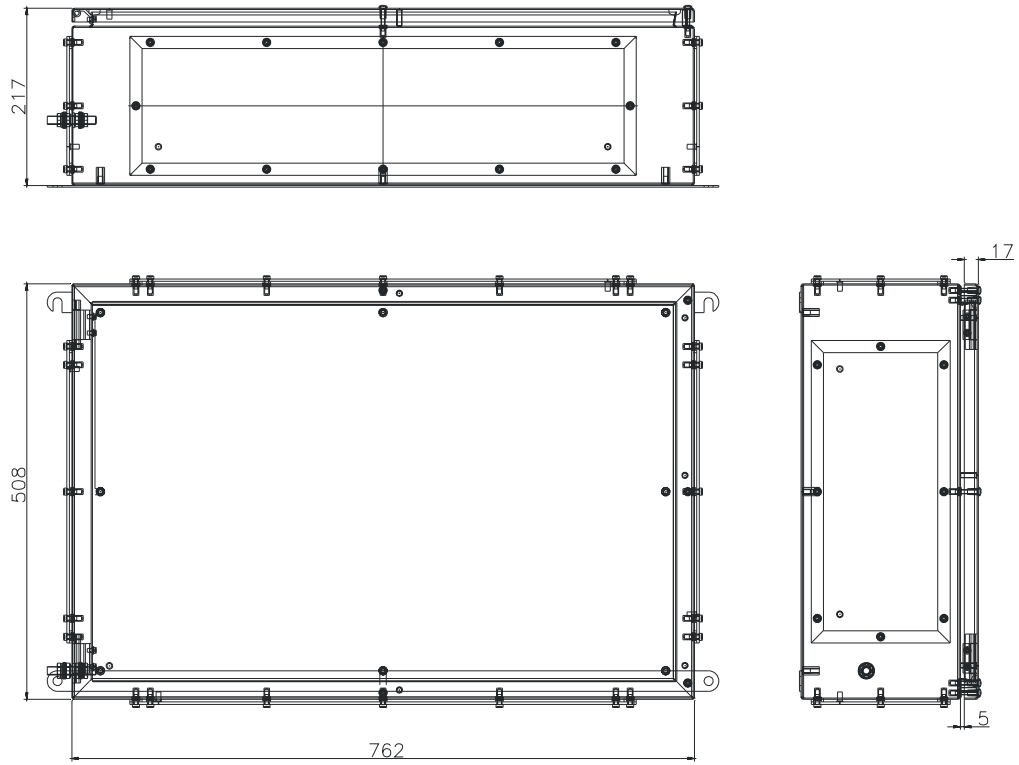
Typ: 35./36./34.03 43 01



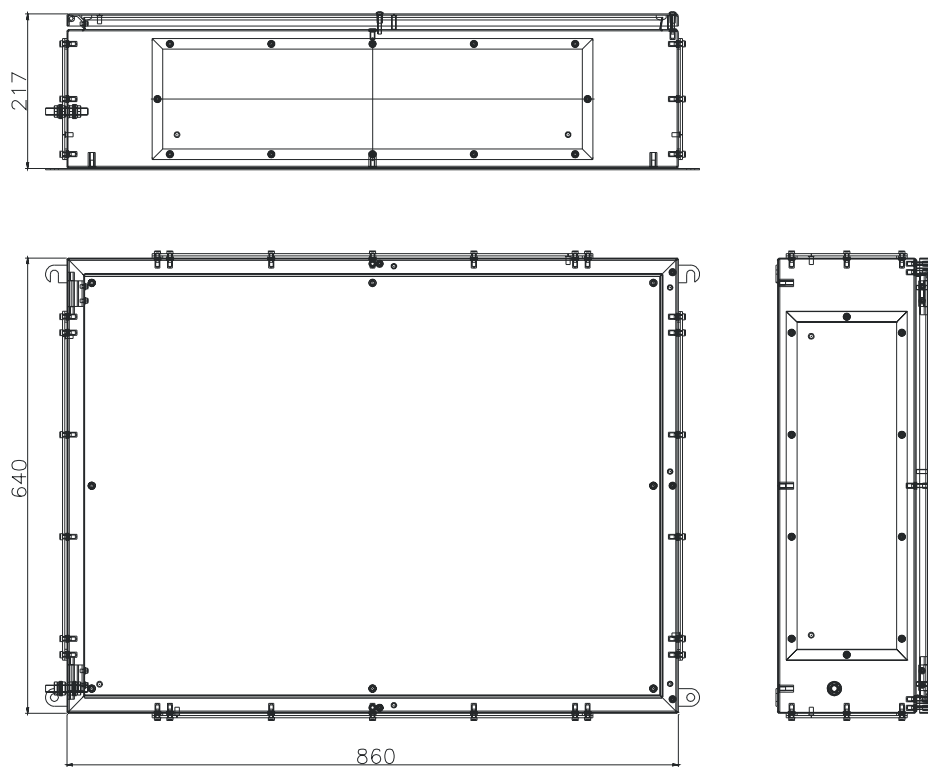
Stainless steel Ex flange enclosures

Abmessungen

Typ: 35./36./34.03 75 04

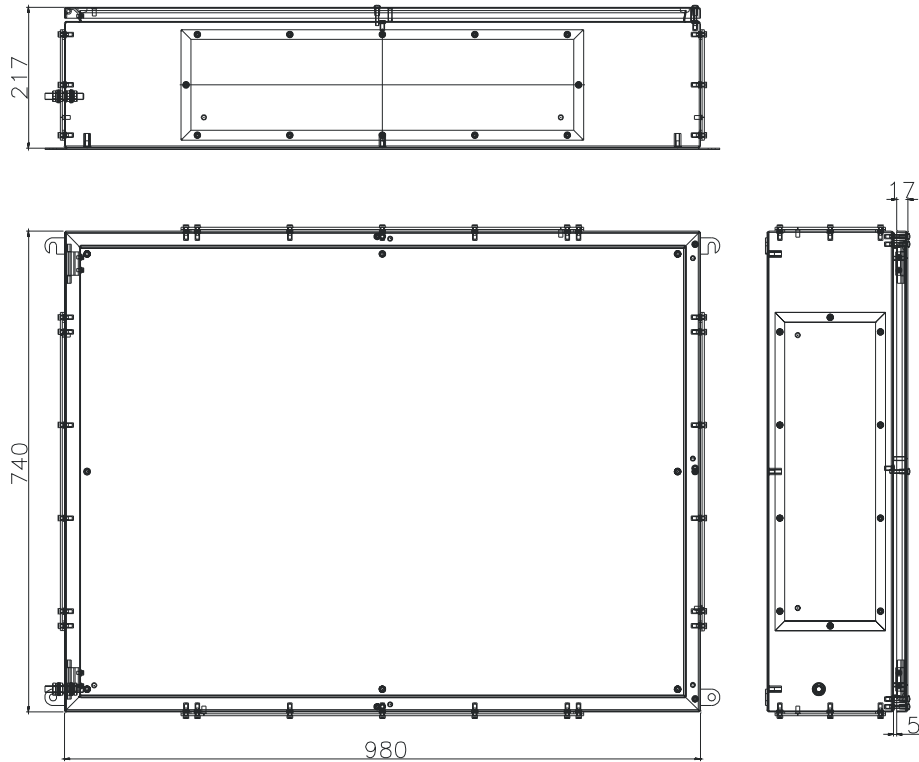


Typ: 35./36./34.03 86 04



Abmessungen

Typ: 35./36./34.03 97 04



This catalogue shows just a small part of the ROSE Ex enclosure program. More informations to Ex enclosures in stainless steel, polyester and Aluminium:

Online: www.rose-ex-enclosures.com

or ask for the catalogues Ex enclosures:



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