

Ex Stainless steel cabinets IGS



- High-quality enclosure systems for aggressive areas according ATEX and IECEx-directives
- Empty enclosures for individual fittings and Ex e / Ex ia junction boxes
- With covered hinges and double ward locks
- Temperature classes T6 / T5 / T4



Technical Data

Explosion protection

⊕ II 2 G

⊕ 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, Gost R, INMETRO MC AEX-8504-X, Gost K

Material

Stainless steel 1.25 mm or 1.5 mm, 14301/304, 1.4404/316L on request

Surface

grinded, grain 240

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, double ward lock, silicone/PU seal and external earth connection.

Junction box:

depending on design with hinged lid, double ward lock, silicone/PU seal, external earth, DIN rail, internal earth connection, terminals, machining, cable glands.

Mounting set order separately

Product range

Order No.			
Ex e	Ex ia	empty enclosures	dimensions (H x W x D) mm
35.00 22 09	36.00 22 09	34.00 22 09	250 x 200 x 97
35.00 22 15	36.00 22 15	34.00 22 15	250 x 200 x 157
35.00 32 09	36.00 32 09	34.00 32 09	250 x 350 x 97
35.00 33 16	36.00 33 16	34.00 33 16	300 x 300 x 167
35.00 53 16	36.00 53 16	34.00 53 16	300 x 500 x 167
35.00 63 16	36.00 63 16	34.00 63 16	300 x 600 x 167
35.00 44 16	36.00 44 16	34.00 44 16	380 x 380 x 167
35.00 44 21	36.00 44 21	34.00 44 21	380 x 380 x 217
35.00 64 21	36.00 64 21	34.00 64 21	380 x 600 x 217
35.00 99 99	36.00 99 99	34.00 99 99	special size on request

Accessories

Type	DIN rail* TS35	PE bar	external mounting brackets	mounting plates
34/35/36.00 22 09	•	•	•	•
34/35/36.00 22 15	•	•	•	•
34/35/36.00 32 09	•	•	•	•
34/35/36.00 33 16	•	•	•	•
34/35/36.00 44 16	•	•	•	•
34/35/36.00 44 21	•	•	•	•
34/35/36.00 53 16	•	•	•	•
34/35/36.00 63 16	•	•	•	•
34/35/36.00 64 21	•	•	•	•

* TS 32 on request

External mounting brackets (set = 4 pcs.)	37.10 50 00
Mounting set (screws, sealing washer, nuts)	37.99 00 01

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		PE bus bar
	Corner dimension, cable gland		PE bar
	Enclosure		Current
	Internal hinge		DIN rail
	External hinge		max. no. of DIN rails
	Weight		Connecting flange
	Threaded insert		Corrosion protection
	EMC		Silicone lid seal



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Terminal mounting

Make	Phoenix															PE bar 1,5 to 6 mm ²		
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				
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 (mm ²)	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	MBK 3/E-Z	MXX 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./36.00 22 09	76	60	60	60	50	50	38	38	24	13	10						8	
34./35./36.00 22 15	76	60	60	60	50	50	38	38	24	13	10						8	
34./35./36.00 32 09	150	125	125	125	100	100	74	74	36	30	20						16	
34./35./36.00 33 16	126	102	102	102	87	87	63	63	51	40	16	12					13	
34./35./36.00 44 16	240	195	195	195	162	162	123	123	99	81	44	17	13				18	
34./35./36.00 44 21	240	195	195	195	162	162	123	123	99	81	44	17	13				18	
34./35./36.00 53 16	214	172	172	172	144	144	108	108	88	72	29	26	18				24	
34./35./36.00 63 16	260	210	210	210	176	176	134	134	106	90	36	27	22				29	
34./35./36.00 64 21	393	318	318	318	267	267	201	201	162	135	72	27	22				29	

PE terminal as required

Make	Weidmüller																				PE bar 1,5 to 6 mm ²
DIN rail TS 15	X	X	X	X																	
DIN rail TS 32							X	X		X			X					X			
DIN rail TS 35				X	X				X	X			X	X	X			X	X	X	
Voltage (V)	275	176	176	275	440	550	550	690	550	550	550	550	690	690	690	550	690	690	690	880	
Current (A)	14	10	15	21	21	21	28	28	36	36	50	50	66	66	109	109	126	167	202	243	
Nominal cross section (mm ²)	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./36.00 22 09	84	58	58	48	58	58	48	48	48	36	36	30	30	12	12	9	8				
34./35./36.00 22 15	84	58	58	48	58	58	48	48	48	36	36	30	30	12	12	9	8				
34./35./36.00 32 09	170	116	116	98	118	118	98	98	98	74	74	30	30	25	25	18	16				
34./35./36.00 33 16	142	96	96	80	98	98	82	82	82	62	62	50	50	40	40	15	13	13			
34./35./36.00 44 16	282	192	192	162	195	195	162	162	162	123	123	99	99	81	81	40	36	17	16	12	
34./35./36.00 44 21	282	192	192	162	195	195	162	162	162	123	123	99	99	81	81	40	36	17	16	12	
34./35./36.00 53 16	256	176	174	146	178	178	148	148	148	112	112	90	90	74	74	56	48	25	22	16	
34./35./36.00 63 16	314	214	214	180	218	218	182	182	182	136	136	110	110	90	90	34	30	27	26	20	
34./35./36.00 64 21	471	321	321	270	327	327	273	273	273	204	204	165	165	135	135	68	60	27	26	20	

PE terminal as required

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Type: **Ex e 35.00 22 09**

Ex ia 36.00 22 09



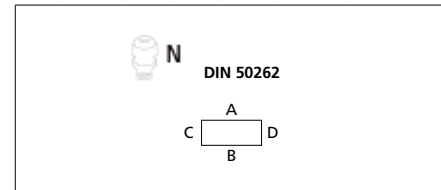
34.00 22 09

ATEX

h x w x d 250 x 200 x 97 mm

2350 g

l in mm	in mm	N	mm ²								
TS 35		8 x 6 mm ²									
190	152	1	16								



		1,5	2,5	4	6	10	16	25	35	50	70	95
	**	76	60	50	38	24	13	10	10			
	N	2	2	2	2	2	1	1	1			
	6											
	10	37	67									
	16	14	25	41								
	20	6	15	26	44							
	25		7	16	26							
	35			5	12	24						
	50					10	20	64				
	63					3	11	21				
	80						4	11	19			
	100								5	10		
	125									4		
	160											
	200											
	225											
	250											
	315											
400												
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	38	36	7	17,25	38	36
16	25,30	20	17	9	21,85	24	20
20	27,60	12	8	11	25,30	20	17
25	37,95	5	6	13,5	27,60	12	8
32	48,30	3		16	31,05	10	7
40	60,95	3		21	37,95	5	6
50	69,00			29	48,30	3	
63	74,75			36	60,95	3	
				42	69,00		
				48	74,75		

** Base: Terminal block Phoenix Contact, further see page 112

Type: **Ex e 35.00 22 15**

Ex ia 36.00 22 15



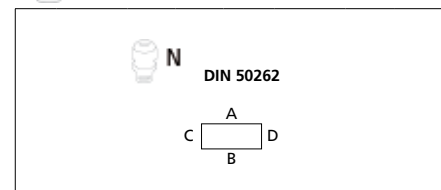
34.00 22 15

ATEX

h x w x d 250 x 200 x 157 mm

2880 g

l in mm	in mm	N	mm ²								
TS 35		8 x 6 mm ²									
190	152	1	16								



		1,5	2,5	4	6	10	16	25	35	50	70	95
	**	76	60	50	38	24	13	10	10			
	N	2	2	2	2	2	1	1	1			
	6											
	10	47	86									
	16	18	32	53								
	20	7	20	34	57							
	25		9	21	34							
	35			6	16	31						
	50				2	12	25	82				
	63					4	14	28				
	80						5	15	25			
	100								7	13		
	125									6		
	160											
	200											
	225											
	250											
	315											
400												
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	76	75	7	17,25	76	75
16	25,30	35	36	9	21,85	40	38
20	27,60	30	30	11	25,30	35	36
25	37,95	12	15	13,5	27,60	30	30
32	48,30	8	8	16	31,05	20	22
40	60,95	6	5	21	37,95	12	15
50	69,00	3	3	29	48,30	8	8
63	74,75	3	3	36	60,95	6	5
				42	69,00	3	3
				48	74,75	3	3

** Base: Terminal block Phoenix Contact, further see page 112



Ex Stainless steel cabinets IGS

Type: **Ex e 35.00 32 09**

Ex ia 36.00 32 09



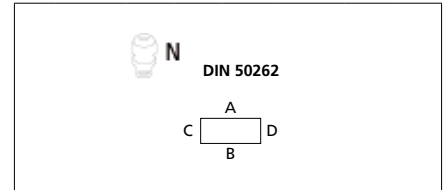
34.00 32 09

ATEX

h x w x d 250 x 350 x 97 mm

3490 g

l in mm	in mm	N	mm ²								
TS 35		16 x 6 mm ²									
340	302	1	16	•	•						



	1,5	2,5	4	6	10	16	25	35	50	70	95
	**	150	125	100	74	36	30	20	20		
	N	2	2	2	2	1	1	1	1		
	6										
	10	42	77								
	16	16	29	48							
	20	7	18	30	51						
	25		8	19	31						
	35			6	14	27					
	50				2	11	23	74			
	63					4	13	25			
	80						5	13	22		
	100							6	12		
	125								5		
	160										
	200										
	225										
	250										
	315										
	400										
500											

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	74	36	7	17,25	74	36
16	25,30	24	17	9	21,85	45	20
20	27,60	24	8	11	25,30	24	17
25	37,95	11	6	13,5	27,60	24	8
32	48,30	7		16	31,05	20	7
40	60,95	5		21	37,95	11	6
50	69,00			29	48,30	7	
63	74,75			36	60,95	5	
				42	69,00		
				48	74,75		

** Base: Terminal block Phoenix Contact, further see page 112

Type: **Ex e 35.00 33 16**

Ex ia 36.00 33 16



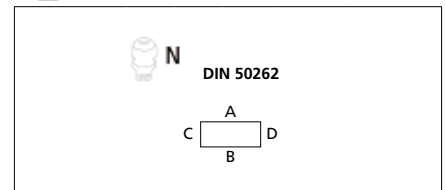
34.00 33 16

ATEX

h x w x d 300 x 300 x 167 mm

4360 g

l in mm	in mm	N	mm ²								
TS 35		13 x 6 mm ²									
290	252	1	25	•	•						



	1,5	2,5	4	6	10	16	25	35	50	70	95
	**	126	102	87	63	51	40	16	16	12	
	N	2	2	2	2	2	2	1	1	1	
	6										
	10	55	100								
	16	21	38	62							
	20	9	23	39	67						
	25		11	24	40						
	35			7	18	36					
	50				2	15	30	96			
	63					5	16	32			
	80						6	17	29		
	100							8	16	29	
	125								7	15	
	160									6	
	200										
	225										
	250										
	315										
	400										
500											

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	110	88	7	17,25	110	88
16	25,30	55	52	9	21,85	72	60
20	27,60	48	38	11	25,30	55	52
25	37,95	23	21	13,5	27,60	48	38
32	48,30	15	11	16	31,05	33	26
40	60,95	8	8	21	37,95	23	21
50	69,00	7	5	29	48,30	15	11
63	74,75	5	4	36	60,95	8	8
				42	69,00	7	5
				48	74,75	5	4


** Base: Terminal block Phoenix Contact, further see page 112


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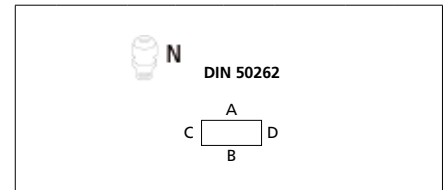
Type: **Ex e 35.00 44 16** **Ex ia 36.00 44 16**  **34.00 44 16**





ATEX



 **380 x 380 x 167 mm**

 **6080 g**

							
l in mm	in mm	N	mm²				
TS 35		36 x 6 mm²					
370	332	2	50	•	•		




	1,5	2,5	4	6	10	16	25	35	50	70	95	
	**	240	195	162	123	99	81	44	44	17	13	
	3	3	3	3	3	3	2	2	1	1	1	
	6											
	10	62	113									
	16	24	43	71								
	20	10	26	45	75							
	25		13	28	45							
	35			8	21	41						
	50				3	16	34	109				
	63					6	19	36				
	80						7	19	33			
	100							9	18	33		
	125								8	17	32	
	160									7	15	26
	200										6	13
	225										2	8
	250											4
	315											
	400											
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	160	140	7	17,25	160	140
16	25,30	70	56	9	21,85	96	80
20	27,60	60	48	11	25,30	70	56
25	37,95	27	27	13,5	27,60	60	48
32	48,30	21	14	16	31,05	44	44
40	60,95	12	10	21	37,95	27	27
50	69,00	9	6	29	48,30	21	14
63	74,75	7	5	36	60,95	12	10
				42	69,00	9	6
				48	74,75	7	5







** Base: Terminal block Phoenix Contact, further see page 112

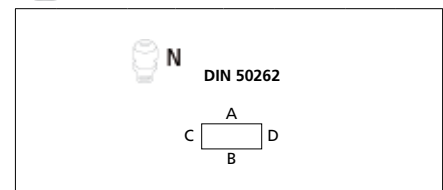
Type: **Ex e 35.00 44 21** **Ex ia 36.00 44 21**  **34.00 44 21**





ATEX



 **380 x 380 x 217 mm**

 **6820 g**

							
l in mm	in mm	N	mm²				
TS 35		36 x 6 mm²					
370	332	2	50	•	•		



	1,5	2,5	4	6	10	16	25	35	50	70	95	
	**	240	195	162	123	99	81	44	44	17	13	
	3	3	3	3	3	3	2	2	1	1	1	
	6											
	10	71	130									
	16	27	49	81								
	20	11	30	51	86							
	25		15	32	52							
	35			10	24	46						
	50				3	19	38	124				
	63					6	21	42				
	80						9	22	38			
	100							10	20	38		
	125								9	20	37	
	160									8	17	30
	200										7	14
	225										2	9
	250											5
	315											
	400											
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	220	200	7	17,25	220	200
16	25,30	98	84	9	21,85	144	128
20	27,60	84	72	11	25,30	98	84
25	37,95	45	36	13,5	27,60	84	72
32	48,30	28	21	16	31,05	66	55
40	60,95	18	14	21	37,95	45	36
50	69,00	12	9	29	48,30	28	21
63	74,75	9	8	36	60,95	18	14
				42	69,00	12	9
				48	74,75	9	8

** Base: Terminal block Phoenix Contact, further see page 112


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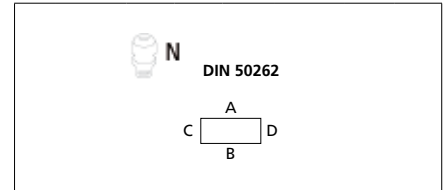
Type: **Ex e 35.00 53 16** **Ex ia 36.00 53 16**  **34.00 53 16**





ATEX



h x w x d 300 x 500 x 167 mm

 **6350 g**

												
l in mm	in mm	N	mm ²									
TS 35		24 x 6 mm ²										
490	452	1	50	•	•							



	1,5	2,5	4	6	10	16	25	35	50	70	95	
 **	214	172	144	108	88	72	29	29	26	18	18	
 N	2	2	2	2	2	2	1	1	1	1	1	
 A	6											
	10	60	109									
	16	23	41	68								
	20	10	25	43	72							
	25		12	27	43							
	35			8	20	39						
	50				3	16	32	105				
	63					5	18	35				
	80						7	19	32			
	100							9	17	32		
	125								7	17	31	
	160									6	14	25
	200										6	12
	225										2	7
	250											4
	315											
	400											
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	216	88	7	17,25	216	88
16	25,30	92	52	9	21,85	147	60
20	27,60	85	38	11	25,30	92	52
25	37,95	36	21	13,5	27,60	85	38
32	48,30	26	11	16	31,05	60	26
40	60,95	14	8	21	37,95	36	21
50	69,00	12	5	29	48,30	26	11
63	74,75	9	4	36	60,95	14	8
				42	69,00	12	5
				48	74,75	9	4














** Base: Terminal block Phoenix Contact, further see page 112

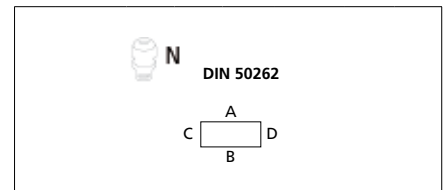
Type: **Ex e 35.00 63 16** **Ex ia 36.00 63 16**  **34.00 63 16**





ATEX



h x w x d 300 x 600 x 167 mm

 **8750 g**

												
l in mm	in mm	N	mm ²									
TS 35		29 x 6 mm ²										
590	551,5	1	50	•	•							



	1,5	2,5	4	6	10	16	25	35	50	70	95	
 **	260	210	176	134	106	90	36	36	27	22	22	
 N	2	2	2	2	2	2	1	1	1	1	1	
 A	6											
	10	62	112									
	16	24	42	70								
	20	10	26	44	75							
	25		13	27	45							
	35			8	21	40						
	50				3	16	33	108				
	63					6	18	36				
	80						7	19	33			
	100							9	18	33		
	125								8	17	32	
	160									7	15	26
	200										6	12
	225										2	8
	250											4
	315											
	400											
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	231	88	7	17,25	231	88
16	25,30	115	52	9	21,85	156	60
20	27,60	100	38	11	25,30	115	52
25	37,95	45	21	13,5	27,60	100	38
32	48,30	33	11	16	31,05	72	26
40	60,95	17	8	21	37,95	45	21
50	69,00	16	5	29	48,30	33	11
63	74,75	11	4	36	60,95	17	8
				42	69,00	16	5
				48	74,75	11	4

** Base: Terminal block Phoenix Contact, further see page 112

Ex Stainless steel cabinets IGS



Type: **Ex e 35.00 64 21**

Ex ia 36.00 64 21



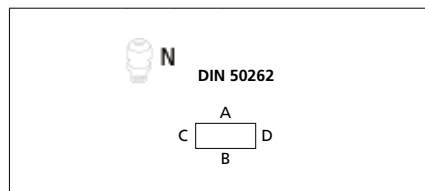
34.00 64 21

ATEX

h x w x d 380 x 600 x 217 mm

11420 g

l in mm	in mm	N	mm ²									
TS 35		58 x 6 mm ²										
590	551,5	2	50									



	1,5	2,5	4	6	10	16	25	35	50	70	95
	393	318	267	201	162	135	72	72	27	22	22
NI N	3	3	3	3	3	3	2	2	1	1	1
6											
10	78	142									
16	30	53	88								
20	12	33	56	94							
25		16	35	56							
35			11	26	51						
50				4	21	42	136				
63					7	23	46				
80						9	24	42			
100							11	22	41		
125								10	22	40	
160									8	19	33
200										7	16
225										3	10
250											5
315											
400											
500											

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	330	200	7	17,25	330	200
16	25,30	176	84	9	21,85	208	128
20	27,60	140	72	11	25,30	176	84
25	37,95	75	36	13,5	27,60	140	72
32	48,30	44	21	16	31,05	108	55
40	60,95	27	14	21	37,95	75	36
50	69,00	20	9	29	48,30	44	21
63	74,75	15	8	36	60,95	27	14
				42	69,00	20	9
				48	74,75	15	8

** Base: Terminal block Phoenix Contact, further see page 112



Ex Stainless steel cabinets IGS

Type			Dimensions (mm)									
Ex e	Ex ia	Empty enclosure	Width A	Height B	C	E	F	I	G	S	H _U	Depth H _{Ges}
35.00 22 09	36.00 22 09	34.00 22 09	200	250	160	181	210	170	25	1,25	75	97
35.00 22 15	36.00 22 15	34.00 22 15	200	250	160	181	210	170	25	1,25	75	157
35.00 32 09	36.00 32 09	34.00 32 09	350	250	310	331	210	170	25	1,25	75	97
35.00 33 16	36.00 33 16	34.00 33 16	300	300	260	281	260	220	25	1,25	145	167
35.00 44 16	36.00 44 16	34.00 44 16	380	380	340	361	340	300	25	1,25	145	167
35.00 44 21	36.00 44 21	34.00 44 21	380	380	340	361	340	300	25	1,25	195	217
35.00 53 16	36.00 53 16	34.00 53 16	500	300	460	481	260	220	25	1,25	145	167
35.00 63 16	36.00 63 16	34.00 63 16	600	300	560	580	260	220	25	1,5	145	167
35.00 64 21	36.00 64 21	34.00 64 21	600	380	560	580	340	300	25	1,5	195	217

