

Ex Polyester flange enclosures



- Empty enclosures with EC type examination certification for individual fittings
- Junction boxes for increased safe guards and intrinsic safety
- Optional combining with other polyester flange enclosures
- Optional: Lid with transparent window
- Temperature classes T6 / T5



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 08.0003U, PTB 01 ATEX 1061U, Gost R, INMETRO MC AEX-8296-U, Gost K
IECEx PTB 08.0004, PTB 00 ATEX 1002, Gost R, INMETRO MC AEX-8503-X, Gost K
S-XPL/12.0778

Material

glass fibre reinforced duroplastic polyester, graphite added

Colour

RAL 9011, graphite black

Ingress protection

IP 65 to EN 60529

Impact resistance

7 Joule to EN 60079-0

Flammability

self-extinguishing, UL 94/V0

Surface resistance

<10⁹ Ohm to IEC 60093

Toxicity

halogen-free

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)

to -55°C with special marking on request

Included in delivery

Empty enclosure:

Enclosure system with blind flange and silicone lid seal, polyurethane seal

Junction box:

Enclosure system - depending on version either with silicone seal, continuity plate, DIN rails, internal earthing connection, terminals, manufacturing, cable glands

Product range

Order No.				
Ex e	Ex ia	empty enclosures	no. of flanges	dimensions (mm) H x W x D
06.14 01 00	16.14 01 00	26.14 01 00	2	170 x 270 x 136
06.14 02 00	16.14 02 00	26.14 02 00	4	270 x 270 x 136
06.14 03 00	16.14 03 00	26.14 03 00	6	270 x 541 x 136

Accessories

Type	DIN rail* TS35	PE bar	external mounting brackets	continuity plate brass	internal hinge	mounting plate
06/16/26.14 01 00	•	•	•	•	•	•
06/16/26.14 02 00	•	•	•	•	•	•
06/16/26.14 03 00	•	•	•	•	•	•

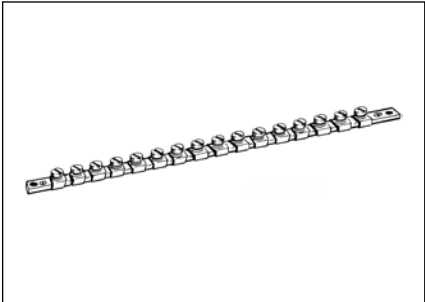
* TS 32 on request

External mounting brackets (4 pcs.)	10.03 11 02
Internal hinge (pair) from xx.12 12 09	14.00 00 26
Threaded insert set (10 pcs.)	10.03 50 02
Blind flange incl. fastening wedges	06.14 00 20
Connecting flange incl. fastening wedges	06.14 00 25
Continuity plate brass for blind flange	10.01 60 01
Mounting plate for xx.14 01 00	14.00 00 11
Mounting plate for xx.14 02 00	14.00 00 12
Mounting plate for xx.14 03 00	14.00 00 13

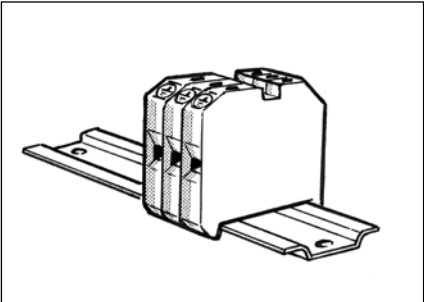


Ex Polyester flange enclosures

Accessories / Execution

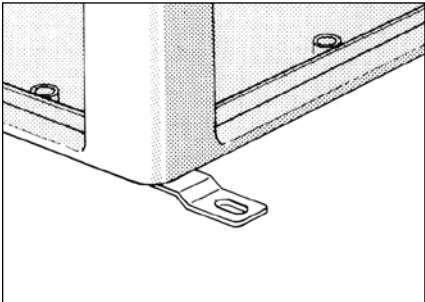


PE bar

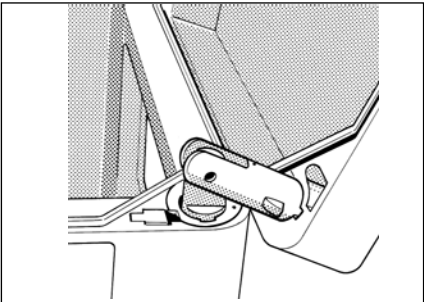


PE terminal blocks

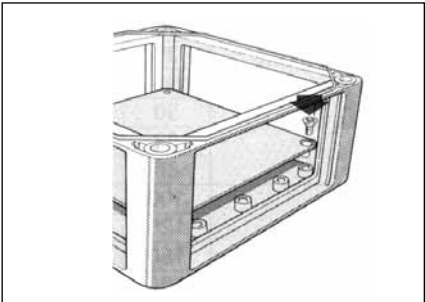
Accessories



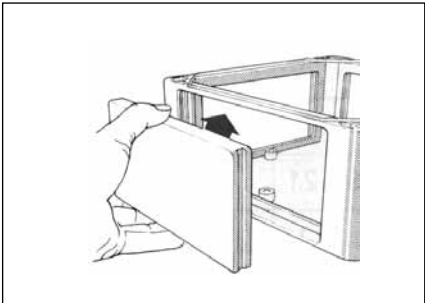
External brackets



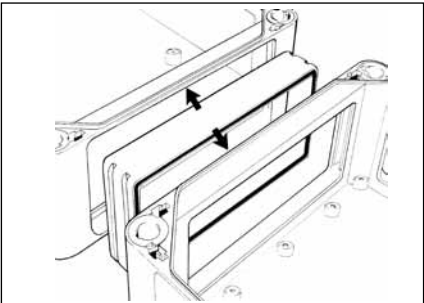
Internal hinge (pair)



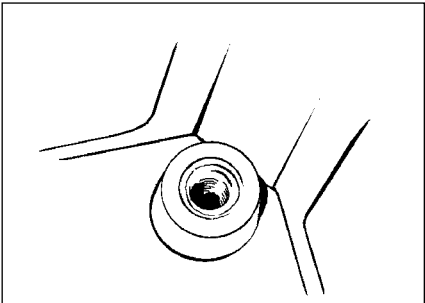
Mounting plate



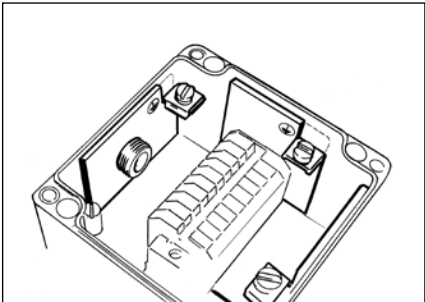
Blind flange



Connection flange




Internal threads



Continuity plate for blind flange (brass)

Ex Polyester flange enclosures













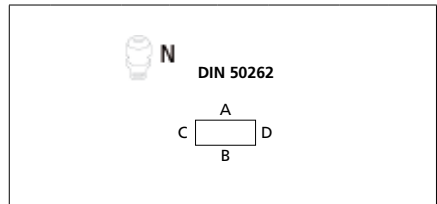
Type: **Ex e 06.14 01 00** **Ex ia 16.14 01 00**  **26.14 01 00**





ATEX



h x w x d 170 x 270 x 136 mm

 **1690 g**


									
l in mm	in mm	N							
TS 35		20 x 6 mm ²							A/B C/D
255	220	1	•	•	•	•	•	•	1 1



		1,5	2,5	4	6	10	16	25	35	50	70	95
	**	54	44	37	28	22	18	15	15			
	N	1	1	1	1	1	1	1	1			
	6											
	10	66										
	16	22	44	171								
	20	9	25	49								
	25		12	28	54							
	35			8	21	53						
	50				3	17	43					
	63					5	20	72				
	80						7	22	80			
	100							9	21			
	125								8			
	160											
	200											
	225											
	250											
	315											
400												
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	63	33	7	17,25	63	33
16	25,30	28	16	9	21,85	38	20
20	27,60	22	12	11	25,30	28	14
25	37,95	12	6	13,5	27,60	22	12
32	48,30	8	4	16	31,05	18	9
40	60,95	3	2	21	37,95	11	6
50	69,00	3	1	29	48,30	8	4
63	74,75	2	1	36	60,95	3	2
				42	69,00	3	1
				48	74,75	2	1











** Base: Terminal block Phoenix Contact, further see page 147

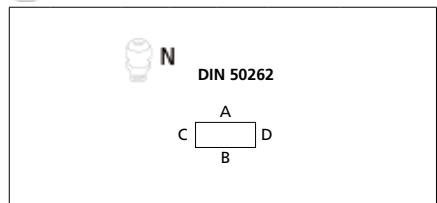
Type: **Ex e 06.14 02 00** **Ex ia 16.14 02 00**  **26.14 02 00**





ATEX



h x w x d 270 x 270 x 136 mm

 **3220 g**

									
l in mm	in mm	N							
TS 35		20 x 6 mm ²							A/B C/D
215	190	2	•	•	•	•	•	•	1 1



		1,5	2,5	4	6	10	16	25	35	50	70	95
	**	108	88	74	56	44	36	30	30			
	N	2	2	2	2	2	2	2	2			
	6											
	10	77										
	16	26	51	198								
	20	11	30	57								
	25		14	32	63							
	35			9	24	61						
	50				3	20	50					
	63					6	23	83				
	80						9	26	93			
	100							11	24			
	125								10			
	160											
	200											
	225											
	250											
	315											
400												
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	63	63	7	17,25	63	63
16	25,30	28	28	9	21,85	38	38
20	27,60	22	22	11	25,30	28	28
25	37,95	12	12	13,5	27,60	22	22
32	48,30	8	8	16	31,05	18	18
40	60,95	3	3	21	37,95	11	11
50	69,00	3	3	29	48,30	8	8
63	74,75	2	2	36	60,95	3	3
				42	69,00	3	3
				48	74,75	2	2

** Base: Terminal block Phoenix Contact, further see page 147



Ex Polyester flange enclosures

Type: **Ex e 06.14 03 00**

Ex ia 16.14 03 00



26.14 03 00

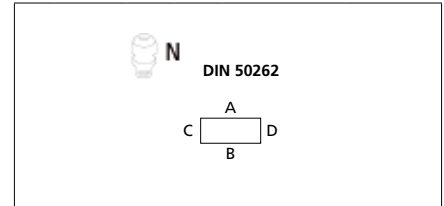
ATEX

h x w x d 270 x 541 x 136 mm



6300 g

												N
l in mm	in mm	N										
TS 35		20 x 6 mm ²										A/B C/D
485	460	2	•	•	•	•	•	•	•	•	•	2 1



	1,5	2,5	4	6	10	16	25	35	50	70	95
	238	192	160	122	98	82	64	64	50	40	
	2	2	2	2	2	2	2	2	2	2	
	6										
	10	85									
	16	29	56	220							
	20	12	33	64							
	25		15	36	69						
	35			10	27	67					
	50				4	22	56				
	63					7	26	92			
	80						10	29	103		
	100							12	27		
	125								11	27	
	160									9	24
	200										8
	225										3
	250										
315											
400											
500											

M		Side		PG		Side	
		A/B*	C/D			A/B*	C/D
12	17,25	63	63	7	17,25	63	63
16	25,30	28	28	9	21,85	38	38
20	27,60	22	22	11	25,30	28	28
25	37,95	12	12	13,5	27,60	22	22
32	48,30	8	8	16	31,05	18	18
40	60,95	3	3	21	37,95	11	11
50	69,00	3	3	29	48,30	8	8
63	74,75	2	2	36	60,95	3	3
				42	69,00	3	3
				48	74,75	2	2

** Base: Terminal block Phoenix Contact, further see page 147

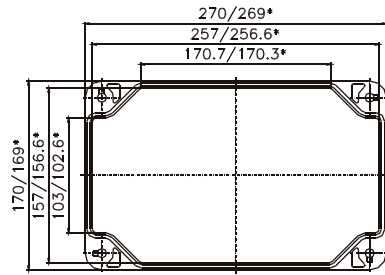
* pro flange

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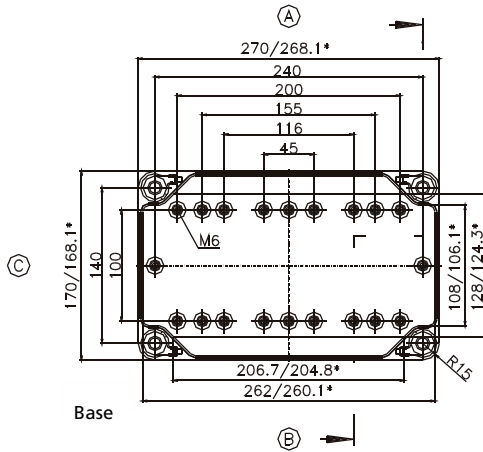


Dimensions

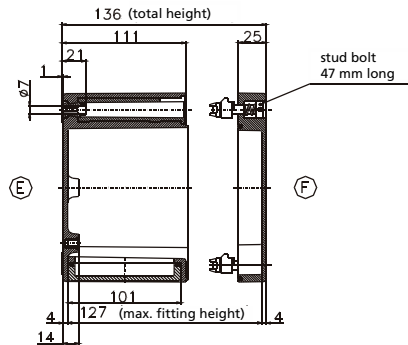
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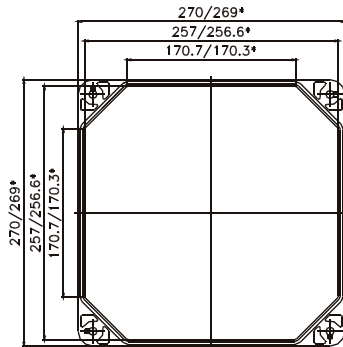
Lid



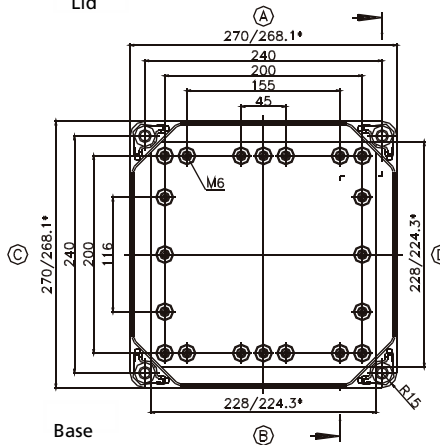
Base



Type: **06/16/26.14 02 00**



Lid



Base

