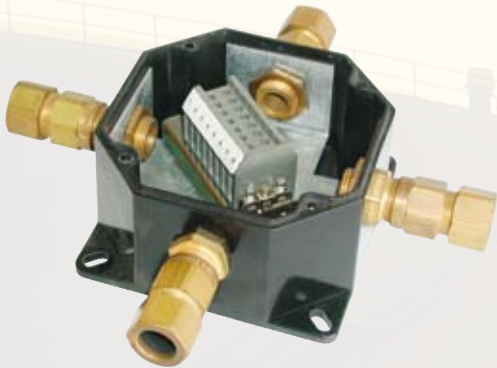


Ex Polyester Okta Box



- Glass fibre reinforced polyester enclosure system for applications in all Ex-areas
- Empty enclosures for individual fittings and Ex e / Ex ia junction boxes
- Enclosures with external fixing brackets
- Temperature classes T6 / T5 / T4



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

Material

glass fibre reinforced duroplastic polyester, graphite added

Colour

RAL 9011, graphite black

Ingress protection

IP 66 to EN 60529

Impact resistance

7 Joule to EN 60079-0

Flammability

self-extinguishing, UL 94 V-0

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)

-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 silicone 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	dimensions (mm) H x W x D
06.88 01 00	16.88 01 00	26.88 01 00	81 x 81 x 75
06.88 02 00	16.88 02 00	26.88 02 00	121 x 121 x 75
06.88 03 00	16.88 03 00	26.88 03 00	161 x 161 x 93

Accessories

Type	DIN rail* TS 15	TS 35	sheath clamp	allen lid screw	continuity plate
06/16/26.88 01 00	•		•	•	•
06/16/26.88 02 00	•	•	•	•	
06/16/26.88 03 00	•	•	•	•	•

* TS 32 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		DIN rail
	External hinge		max. no. of DIN rails
	Weight		Connecting flange
	Threaded insert		Allen lid screw
	EMC		Corrosion protection
			Silicone lid seal

Ex Polyester Okta Box



Terminal mounting

Make	Phoenix															Bartec				
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	380	380			
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	2,5	2,5			
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	30	30			
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	Ex-Mini-Klemmen	Ex-Mini-Klemmen blau			Mantelklemmen (2 x 4 mm ² pro Klemme)
06/16./26.88 01 00				8																2
06/16./26.88 02 00	14	12	12	12	10	10	7	7	6											2
06/16./26.88 03 00	24	19	19	19	16	16	12	12	10	8										2

PE terminal as required

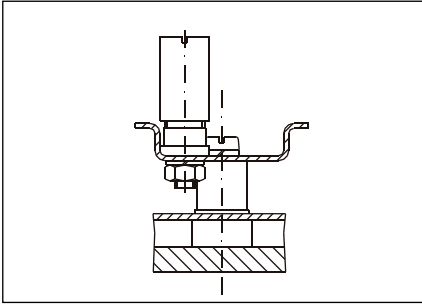
Make	Weidmüller																					
DIN rail TS 15	X	X	X	X																		
DIN rail TS 32							X	X		X		X		X								
DIN rail TS 35					X	X			X		X		X	X	X	X	X	X	X	X	X	
Voltage (V)	275	176	176	275	440	550	550	550	690	550	550	550	550	690	690	690	550	550	690	690	880	
Current (A)	14	10	15	21	21	21	21	28	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	120	
Terminal width (mm)	3,5	5,1	5,1	6,1	5	5	6	6,5	6,1	8	7,9	10	9,9	12	11,9	16	18	18,5	20,5	27	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	WDU 95N/120N	
																					WDU 120/150	WDU 240
06/16./26.88 01 00	12	5	5																			
06/16./26.88 02 00	15	11	11	9	14	12	12	12	9	9	7	7										
06/16./26.88 03 00	26	19	19	16	21	18	18	18	13	13	11	11	9	9								

PE terminal as required

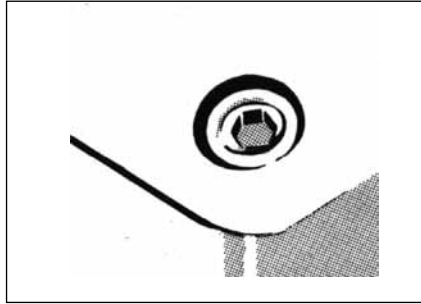
Ex Polyester Okta Box



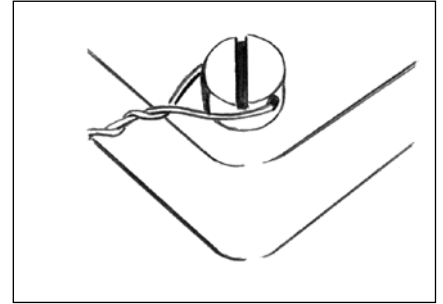
Accessories



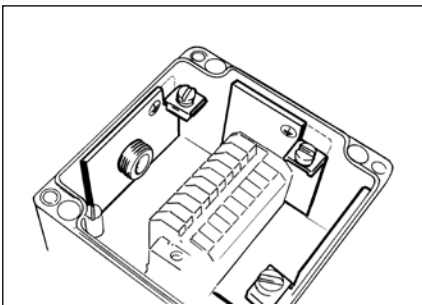
PE connection on DIN rail



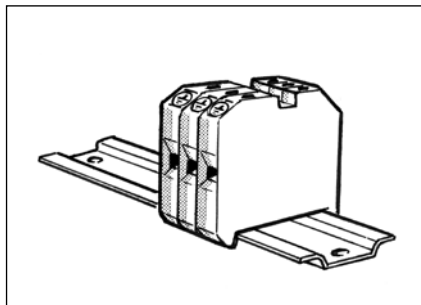
Allen lid screw from stainless steel



Sealable lid screw, corrosion resisted



Continuity plate brass



PE terminal block



Terminal fitting, cable glands

Type: **Ex e 06.88 01 00**

Ex ia 16.88 01 00



26.88 01 00

ATEX

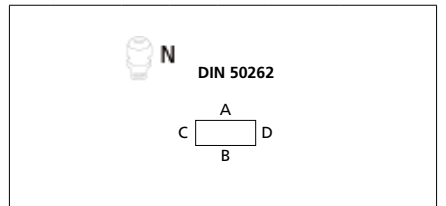
h x w x d

81 x 81 x 75 mm



333 g

l in mm	in mm	N	N								
TS 15											
68											



	1,5	2,5	4	6	10	16	25	35	50	70	95
	**	8	8								
	N	1	1								
	6										
	10	32									
	16	11	21								
	20	4	12								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
250											
315											
400											
500											

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

** Base: Terminal block Phoenix Contact, further see page 151


Ex Polyester Okta Box













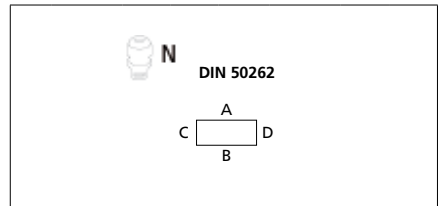
Type: **Ex e 06.88 02 00** **Ex ia 16.88 02 00**  **26.88 02 00**





ATEX



h x w x d 121 x 121 x 75 mm

 **538 g**


									
l in mm	in mm	N	N						
TS 15/35									
101	72			•	•			•	



		1,5	2,5	4	6	10	16	25	35	50	70	95
	**	14	12	10	7	6						
	N	1	1	1	1	1						
	6											
	10	36										
	16	12	24	93								
	20	5	14	27								
	25		6	15	29							
	35			4	11	28						
	50					9						
	63					3						
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
400												
500												

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











** Base: Terminal block Phoenix Contact, further see page 151

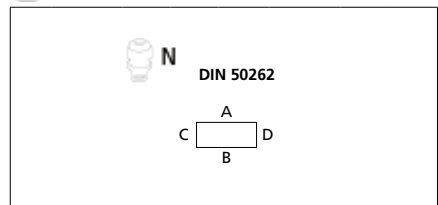
Type: **Ex e 06.88 03 00** **Ex ia 16.88 03 00**  **26.88 03 00**





ATEX



h x w x d 161 x 161 x 93 mm

 **980 g**

									
l in mm	in mm	N	N						
TS 15/35									
141	107,5			•	•			•	•



		1,5	2,5	4	6	10	16	25	35	50	70	95
	**	24	19	16	12	10	8					
	N	1	1	1	1	1	1					
	6											
	10	47										
	16	16	31	121								
	20	6	18	35								
	25		8	20	38							
	35			5	15	37						
	50				2	12	30					
	63					4	14					
	80						5					
	100											
	125											
	160											
	200											
	225											
	250											
	315											
400												
500												

M		Side		PG		Side	
		A/B	C/D			A/B	C/D
12	17,25	15	15	7	17,25	15	15
16	25,30	8	8	9	21,85	9	9
20	27,60	5	5	11	25,30	8	8
25	37,95	2	2	13,5	27,60	5	5
32	48,30	2	2	16	31,05	4	4
40	60,95			21	37,95	2	2
50	69,00			29	48,30	2	2
63	74,75			36	60,95		
				42	69,00		
				48	74,75		

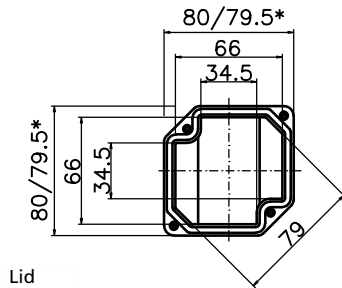
** Base: Terminal block Phoenix Contact, further see page 151

Ex Polyester Okta Box

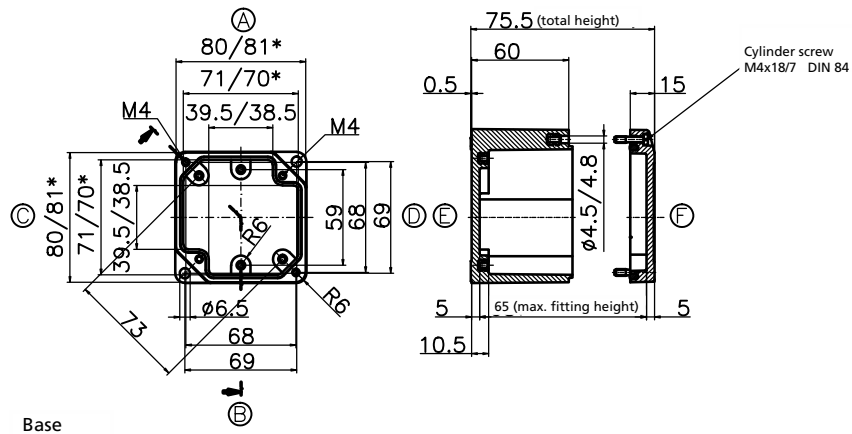


Dimensions

Type: **06/16/26.88 01 00**

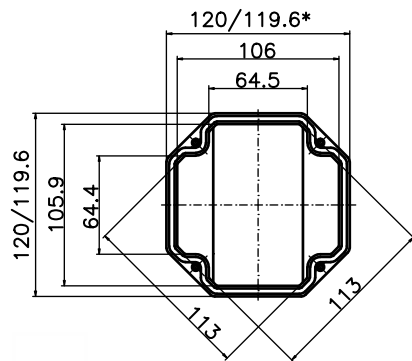


Lid

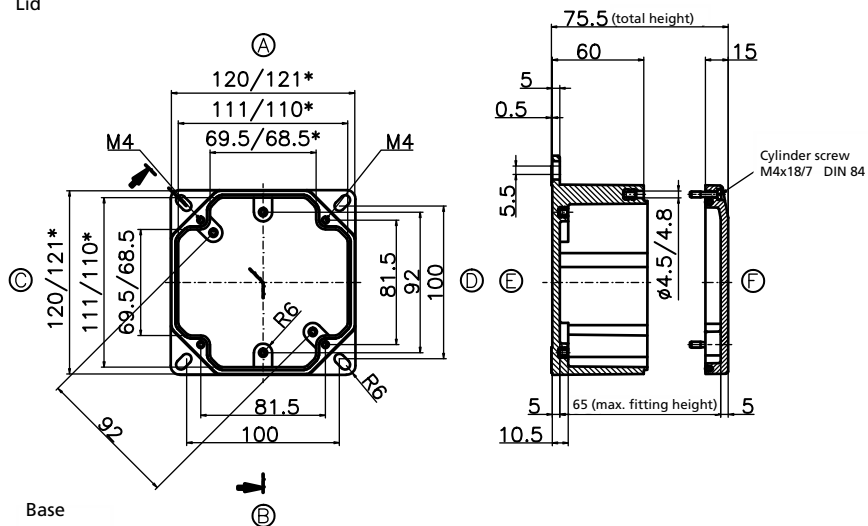


Base

Type: **06/16/26.88 02 00**



Lid



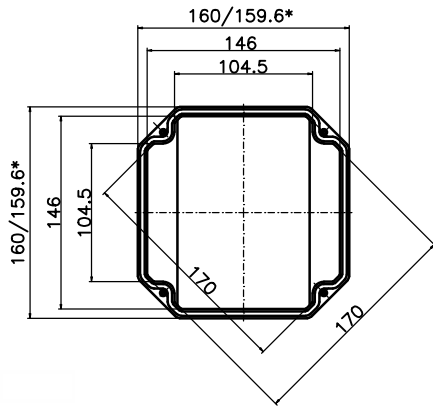
Base

Ex Polyester Okta Box



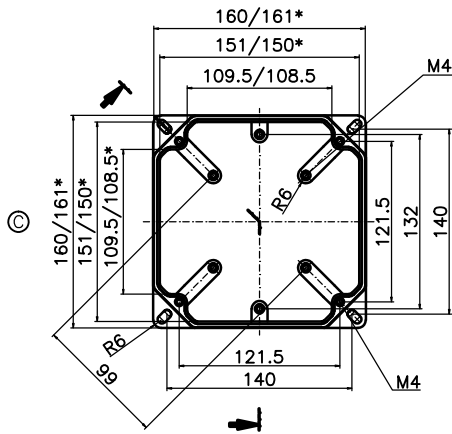
Dimensions

Type: **06/16/26.88 03 00**



Lid

Ⓐ



Base

Ⓑ

