



Operation and instruction manual - OIM-001 rev.0717

Ex d Control and distribution boxes

Aluminium
Stainless Steel



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Purpose of these instructions

Working in hazardous areas, the safety of personnel and plant depends on complying with all relevant safety regulations. Assembly and maintenance staff working on installations therefore have a particular responsibility. They require precise knowledge of the applicable standards and regulations. These instructions give a brief summary of the most important safety measures. It supplements the corresponding regulations which the staff must study.



SAFETY INSTRUCTIONS

Use the explosion-proof box only for its intended purpose. Explosion-proof boxes are not suitable for Zone 0 hazardous areas! Incorrect or impermissible use or non-compliance with these instructions invalidates our warranty provision. No changes to the device impairing its explosion protection are permitted. Use the explosion-proof box only if it is clean and undamaged. Any damage can invalidate the Ex-protection.

Observe the following during installation and operation:

- National safety regulations
- National accident prevention regulations;
- National installation regulations(e.g. IEC 60079-14);
- Generally recognized technical regulations;
- Safety guidelines in these operating instructions;
- Characteristic values given on Ex labels

Applicable scope

Transport and storage in original packaging only. National safety and installations regulations and the generally accepted rules of engineering practice must be observed when mounting and operating this equipment.

Technical data

Ex mark: Ⓔ II 2G Ex db [.....] IIB/IIC T4/T5/T6 Gb
Ⓔ II 2D Ex tb IIIC 80°/95°/130°C Db

Can be used in zone 1,2, 21 en 22
Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$
Optional temperature: $-40^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$
Degree of protection: IP65 / IP66
Max. voltage prim. 1000 V / Sec. 10 kV (for ignition)
I max. 1000 A

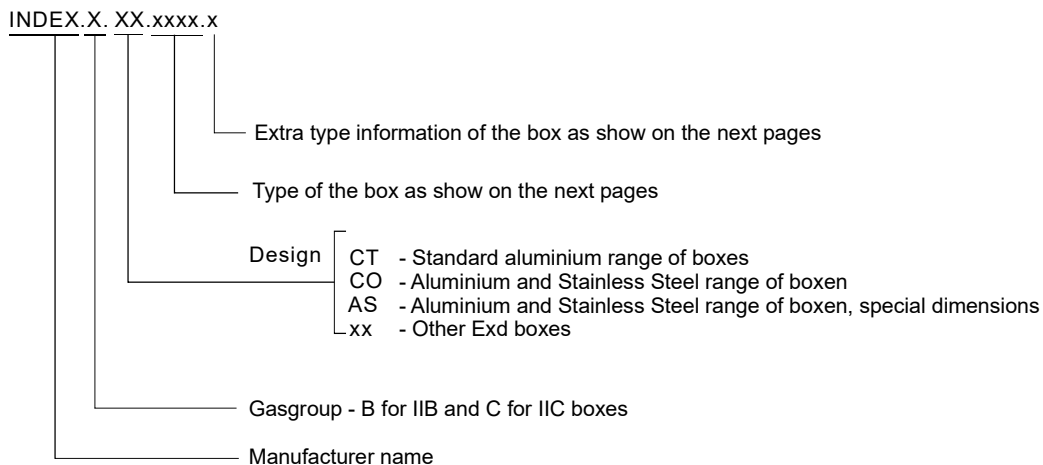
Certificate CML 18ATEX1026X
IECEX CML 18.0021X

Conformity to standards

The explosion-proof box is designed and manufactured according to standard of ISO 9001. The explosion-proof box is in conformity with ATEX directive and the standards:

IEC60079 - 0,	EN60079 - 0
IEC60079 - 1,	EN60079 - 1
IEC60079 - 11,	EN60079 - 11
IEC60079 - 31	EN60079 - 31
IEC61241,	EN61241

Model and implication of INDEX.Ex d boxes





Control box Ex d - type INDEX.C.CT.xxxx

Technical data:

Ex mark: Ⓢ II 2G Ex db [...] IIC T4..T6 Gb

Ⓢ II 2D Ex db [...] IIC T4..T6 Db

Can be used in zone 1, 2, 21 en 22

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$

Optional temperature: $-20^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$

Degree of protection: IP65 / IP66

Material: copper free aluminium LM6 (copper <0.05%)
with coating

INDEX.C.CT.xxxx.x

Additional info

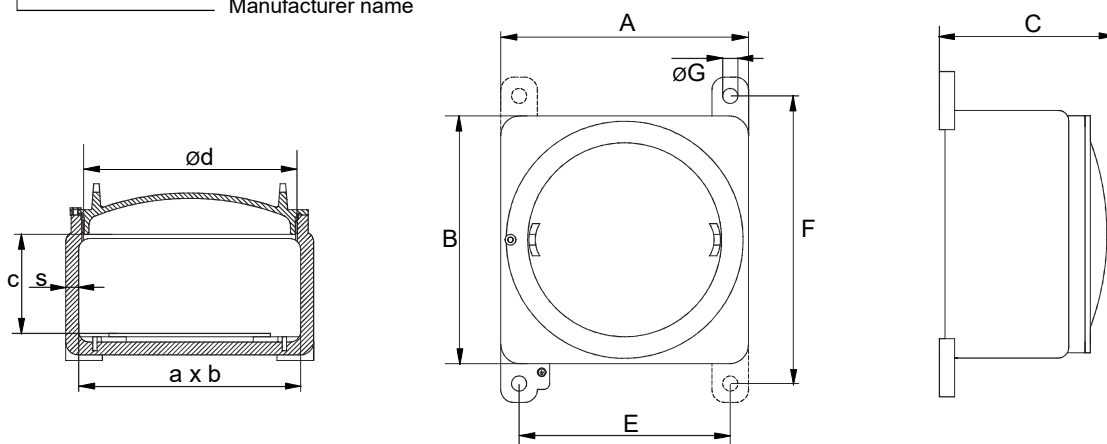
- ☐ - No letter is standard
- E - Economic desin
- V - with window

Type as per tabel

Design - Standard aluminium box

Gasgroup - IIC

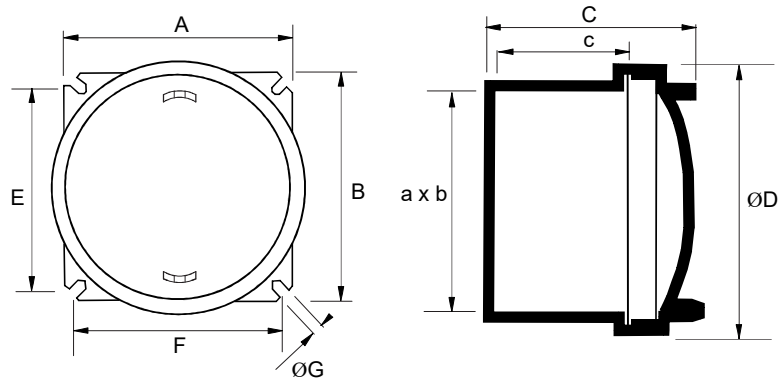
Manufacturer name



Enclosure type Standard	Dimensions (mm)											Weight (kg)
	External			Internal					Fixing			
	A	B	C	a	b	c	ød	s	E	F	øG	
INDEX.C.CT.GUB	120	120	116	96	96	60	95	12	100	145	9	1,9
INDEX.C.CT.GUB.S	120	120	145	96	96	93	95	12	100	145	9	2,1
INDEX.C.CT.0	150	150	130	126	126	68	130	12	126	174	10	2,5
INDEX.C.CT.1	174	174	140	146	146	78	150	12	150	195	10	3,9
INDEX.C.CT.2	230	230	165	204	204	92	200	12	196	267	14	6,8
INDEX.C.CT.3	276	276	217	250	250	135	250	12	236	316	14	11,9
INDEX.C.CT.4	430	430	290	398	398	158	390	16	390	480	14	29,3
INDEX.C.CT.5	520	520	327	480	480	164	460	20	480	570	14	55,0

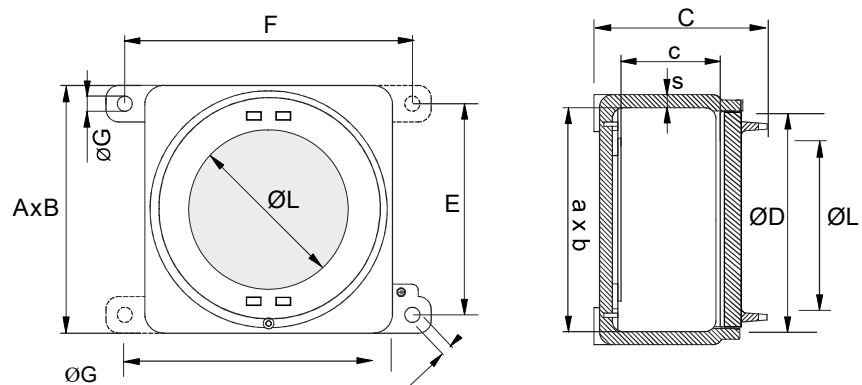


Control box Ex d - type INDEX.C.CT.xxxx.E



Enclosure E - type	Dimensions (mm)										Weight (kg)
	External				Internal			Fixing			
	A	B	C	ØD	a	b	c	E	F	øG	
INDEX.C.CT.0.E	128	128	133	146	104	104	75	111	138	9	1.9
INDEX.C.CT.1.E	145	145	135	170	121	121	75	128	150	9	2.8
INDEX.C.CT.2.E	195	195	159	220	171	171	83	175	175	10	5.6
INDEX.C.CT.3.E	240	240	230	270	216	216	140	213	213	12	9,1
INDEX.C.CT.4.E	385	385	294	410	353	353	156	339	339	14	26.7

Type INDEX.C.CT.xxxx with window



Enclosure with window	Dimensions (mm)											Weight (kg)
	External					Internal			Fixing			
	A	B	C	ØD	ØL	a	b	c	E	F	øG	
INDEX.C.CT.0.V	150	150	125	127	90	126	126	75	126	174	10	2.8
INDEX.C.CT.1.V	174	174	160	147	90	146	146	105	154	195	10	4.3
INDEX.C.CT.2.V	230	230	154	176	140	204	204	95	196	265	14	7.6
INDEX.C.CT.3.V	276	276	200	216	180	250	250	140	236	316	14	14.1
INDEX.C.CT.4.V	430	430	275	245	310	398	398	190	390	480	14	31.0
INDEX.C.CT.0.EV	128	128	130	146	90	104	128	85	111	142	9	2.1
INDEX.C.CT.1.EV	145	145	155	170	90	121	145	105	128	150	9	2.5
INDEX.C.CT.2.EV	195	195	150	220	140	171	195	95	175	175	10	4.5
INDEX.C.CT.3.EV	240	240	210	270	180	216	240	140	213	213	12	7.8
INDEX.C.CT.4.EV	385	385	277	410	310	353	385	190	339	339	14	26.7

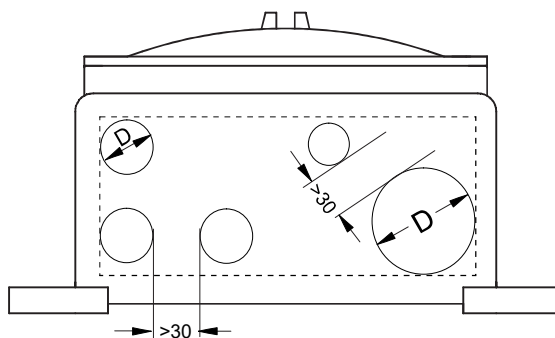


Temperature class

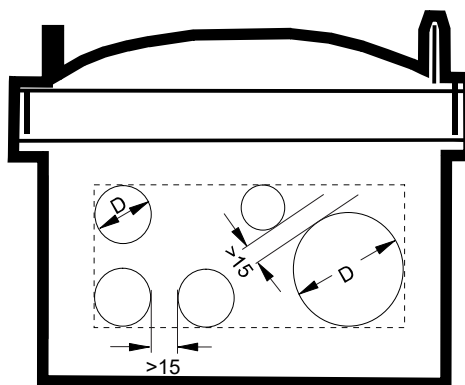
	Max. dissipated power by T.ambient			
	Max. ambient temp +40°C		Max. ambient temp +55°C	
Enclosure type	T6	T5	T6	T5
INDEX.C.CT.GUB	4	6	3	4
INDEX.C.CT.GUB.S	6	9	5	6
INDEX.C.CT.0	10	16	8	12
INDEX.C.CT.1	15	24	13	19
INDEX.C.CT.2	32	51	26	39
INDEX.C.CT.3	51	74	37	55
INDEX.C.CT.4	112	197	84	150
INDEX.C.CT.5	165	250	125	190
INDEX.C.CT.0.E	8	13	6	9
INDEX.C.CT.1.E	11	17	9	13
INDEX.C.CT.2.E	23	36	20	28
INDEX.C.CT.3.E	40	58	29	43
INDEX.C.CT.4.E	93	164	70	125
INDEX.C.CT.0.V	10	16	8	12
INDEX.C.CT.1.V	15	24	13	19
INDEX.C.CT.2.V	32	51	26	39
INDEX.C.CT.3.V	51	74	37	55
INDEX.C.CT.4.V	112	197	84	150
INDEX.C.CT.0.EV	8	13	6	9
INDEX.C.CT.1.EV	11	17	9	13
INDEX.C.CT.2.EV	23	36	20	28
INDEX.C.CT.3.EV	40	58	29	43
INDEX.C.CT.4.E.V	93	164	70	125



Control box Ex d - type INDEX.C.CT.xxxx.E



Enclosure type Standard	Drilling area	Holes for glands(D)							
		1/2"NPT M20x1.5	3/4"NPT M25x1.5	1"NPT M32x1.5	1.1/4"NPT M40x1.5	1.1/2"NPT M50x1.5	2"NPT M63x1.5	2.1/2"NPT M75x1.5	3"NPT M90x2
INDEX.C.CT.GUB	80 x 50 mm.	2	2	1	1	1	-	-	-
INDEX.C.CT.GUB.S	80 x 80 mm.	4	2	2	1	1	-	-	-
INDEX.C.CT.0	115 x 60 mm.	3	3	2	2	1	-	-	-
INDEX.C.CT.1	135 x 70 mm.	5	3	2	2	2	1	-	-
INDEX.C.CT.2	180 x 85 mm.	8	6	5	3	2	2	2	-
INDEX.C.CT.3	230 x 130 mm.	15	12	8	6	6	3	2	2
INDEX.C.CT.4	375 x 120 mm.	21	14	12	10	9	4	3	3
INDEX.C.CT.5	455 x 140 mm.	27	24	14	12	11	7	4	4



Enclosure type Standard	Drilling area	Holes for glands (D)							
		1/2"NPT M20x1.5	3/4"NPT M25x1.5	1"NPT M32x1.5	1.1/4"NPT M40x1.5	1.1/2"NPT M50x1.5	2"NPT M63x1.5	2.1/2"NPT M75x1.5	3"NPT M90x2
INDEX.C.CT.0.E	95 x 65 mm.	6	4	2	1	1	1	-	-
INDEX.C.CT.1.E	108 x 80 mm.	6	4	3	2	1	1	-	-
INDEX.C.CT.2.E	130 x 65 mm.	8	6	3	2	2	2	-	-
INDEX.C.CT.3.E	155 x 115 mm.	12	12	6	6	4	4	1	1
INDEX.C.CT.4.E	234 x 140 mm.	28	22	15	12	8	6	3	2



Control box Ex d - type INDEX.C.CO.xxx.x

Technical data:

Ex mark: $\text{Ex II 2G Ex db [...]} \text{ IIC T4..T6 Gb}$

$\text{Ex II 2D Ex db [...]} \text{ IIC T4..T6 Db}$

Can be used in zone 1, 2, 21 en 22

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$

Degree of protection: IP65 / IP66

Material: copper free aluminium LM6 (copper <0.05%)

Optional: coating in RAL colour

INDEX.C.CO.XX.xxx.x

V = with window, no letter is without window

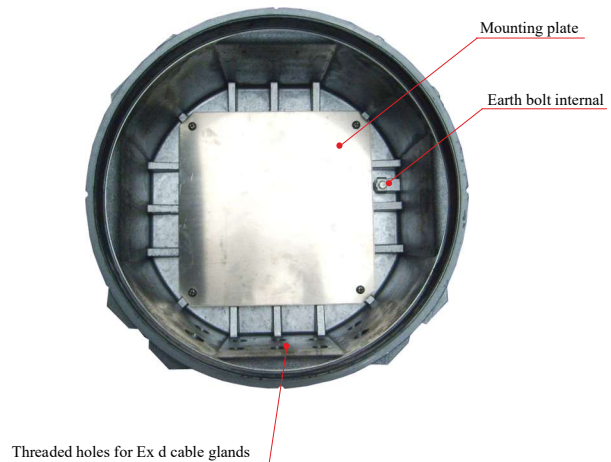
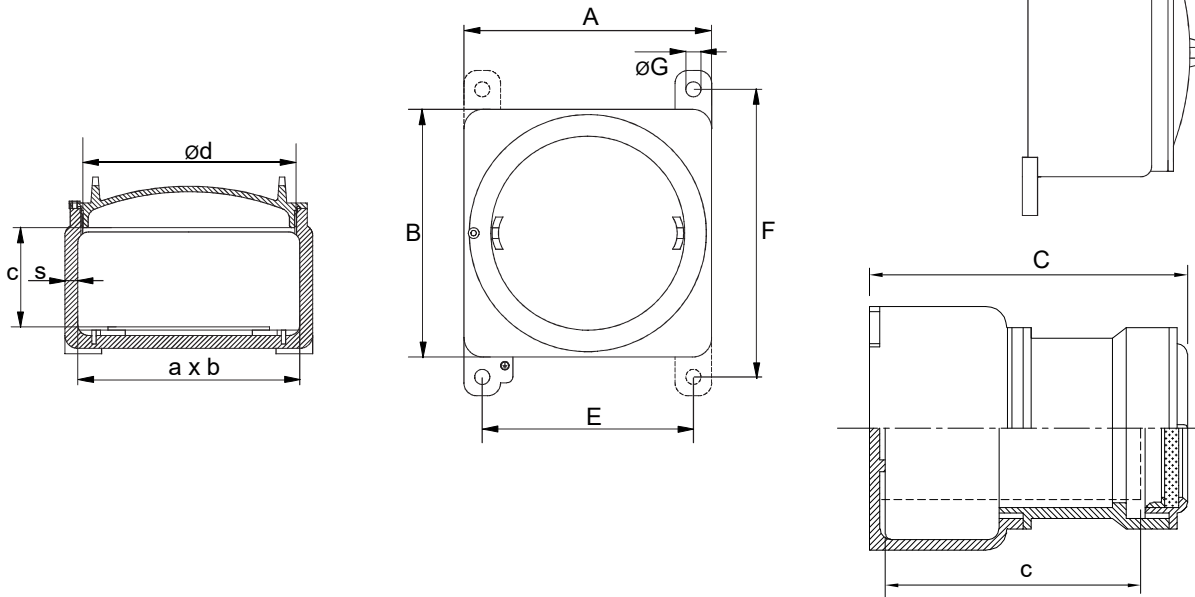
Special dimensions - only if mentioned

type as per tabel below

Design - Standard aluminium box

Gasgroup - IIC

Manufacturer name





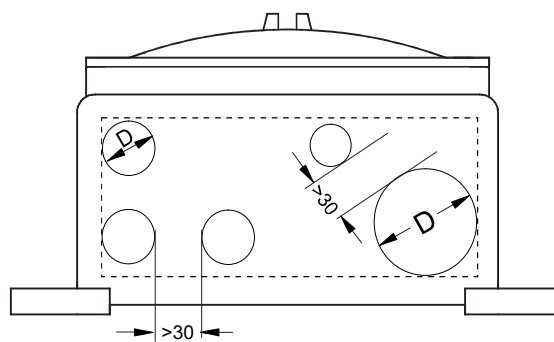
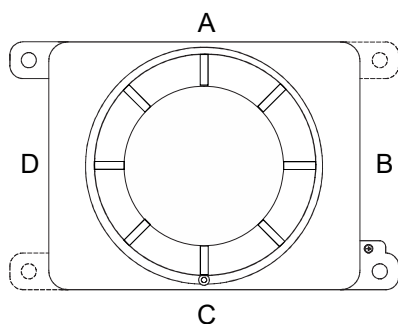
Dimensions (mm)

Enclosure type	External			Internal					Fixing			Weight (kg)
	A	B	C	a	b	c	ød	s	E	F	øG	
INDEX.C.CO.0	150	150	109	122	122	80	102	14	125	175	8	2.9
INDEX.C.CO.0/170	150	150	170	122	122	140	102	14	125	175	8	3.2
INDEX.C.CO.0/200	150	150	201	122	122	170	102	14	125	175	8	3.4
INDEX.C.CO.0.V	150	150	108	122	122	57	112	14	125	175	8	3.0
INDEX.C.CO.0/170.V	150	150	170	122	122	119	112	14	125	175	8	3.1
INDEX.C.CO.0/200.V	150	150	200	122	122	149	112	14	125	175	8	3.3
INDEX.C.CO.1	165	165	123	137	137	90	117	14	140	190	8	3.5
INDEX.C.CO.1/180	165	165	183	137	137	150	117	14	140	190	8	3.7
INDEX.C.CO.1/220	165	165	223	137	137	190	117	14	140	190	8	3.8
INDEX.C.CO.1.V	165	165	120	137	137	67	127	14	140	190	8	3.7
INDEX.C.CO.1/180.V	165	165	180	137	137	127	127	14	140	190	8	3.9
INDEX.C.CO.1/220.V	165	165	220	137	137	167	127	14	140	190	8	4.0
INDEX.C.CO.2	190	190	147	160	160	110	135	15	165	215	8	5.6
INDEX.C.CO.2/240	190	190	222	160	160	195	135	15	165	215	8	7.0
INDEX.C.CO.2/290	190	190	290	160	160	245	135	15	165	215	8	7.3
INDEX.C.CO.2.V	190	190	146	160	160	89	147	15	165	215	8	5.8
INDEX.C.CO.2/240.V	190	190	240	160	160	181	147	15	165	215	8	7.2
INDEX.C.CO.2/290.V	190	190	290	160	160	231	147	15	165	215	8	7.5
INDEX.C.CO.3	225	255	175	193	223	130	161	16	220	260	10	10.4
INDEX.C.CO.3/260	225	255	265	193	223	225	161	16	220	260	10	12.5
INDEX.C.CO.3/335	225	255	339	193	223	300	161	16	220	260	10	13.4
INDEX.C.CO.3.V	225	255	170	193	223	106	176	16	220	260	10	10.7
INDEX.C.CO.3/260.V	225	255	259	193	223	195	176	16	220	260	10	12.8
INDEX.C.CO.3/335.V	225	255	334	193	223	270	176	16	220	260	10	13.7
INDEX.C.CO.4	270	305	205	238	273	145	198	16	270	300	10	14.6
INDEX.C.CO.4/305	270	305	308	238	273	245	198	16	270	300	10	17.6
INDEX.C.CO.4/380	270	305	383	238	273	320	198	16	270	300	10	19.0
INDEX.C.CO.4.V	270	305	202	238	273	130	216	16	270	300	10	14.8
INDEX.C.CO.4/305.V	270	305	305	238	273	235	216	16	270	300	10	17.8
INDEX.C.CO.4/380.V	270	305	380	238	273	307	216	16	270	300	10	19.2
INDEX.C.CO.5	300	340	237	264	304	175	225	18	300	330	10	21.3
INDEX.C.CO.5/355	300	340	350	264	304	285	225	18	300	330	10	25.0
INDEX.C.CO.5/435	300	340	440	264	304	375	225	18	300	330	10	26.9
INDEX.C.CO.5.V	300	340	232	264	304	155	245	18	300	330	10	21.0
INDEX.C.CO.5/355.V	300	340	345	264	304	267	245	18	300	330	10	25.3
INDEX.C.CO.5/435.V	300	340	435	264	304	357	245	18	300	330	10	27.2

	Max. dissipated power by T.ambient														
	Max. ambient temp +40°C			Max. ambient temp +50°C			Max. ambient temp +60°C			Max. ambient temp +70°C			Max. ambient temp +80°C		
Enclosure type	T6	T5	T4	T6	T5	T4	T6	T5	T4	T6	T5	T4	T6	T5	T4
INDEX.C.CO.0	23	29	49	14	23	43	9	17	37	3	12	32	-	6	26
INDEX.C.CO.0/170	32	40	68	20	32	60	12	24	52	4	16	44	-	8	36
INDEX.C.CO.0/200	37	46	79	23	37	69	14	28	60	5	19	51	-	9	42
INDEX.C.CO.0.V	20	25	43	13	20	38	8	15	33	3	10	28	-	5	23
INDEX.C.CO.0/170.V	27	34	57	17	27	51	10	20	44	3	14	37	-	7	30
INDEX.C.CO.0/200.V	31	39	66	19	31	58	12	23	50	4	16	43	-	8	35
INDEX.C.CO.1	28	35	60	18	28	53	11	21	46	4	14	39	-	7	32
INDEX.C.CO.1/180	39	49	83	24	39	73	15	29	63	5	20	54	-	10	44
INDEX.C.CO.1/220	46	58	98	29	46	86	17	35	75	6	23	63	-	12	52
INDEX.C.CO.1.V	24	30	51	15	24	45	9	18	39	3	12	33	-	6	27
INDEX.C.CO.1/180.V	32	40	68	20	32	60	12	24	52	4	16	44	-	8	36
INDEX.C.CO.1/220.V	38	48	81	24	38	71	14	29	62	5	19	52	-	10	43
INDEX.C.CO.2	39	49	83	24	39	73	15	29	63	5	20	54	-	10	44
INDEX.C.CO.2/240	53	66	113	33	53	99	20	40	86	7	27	73	-	13	60
INDEX.C.CO.2/290	66	83	140	41	66	124	25	50	107	8	33	91	-	17	74
INDEX.C.CO.2.V	33	41	70	21	33	62	15	25	54	4	17	45	-	8	37
INDEX.C.CO.2/240.V	48	60	102	30	48	90	18	36	78	6	24	66	-	12	54
INDEX.C.CO.2/290.V	57	71	121	36	57	107	21	43	93	7	29	78	-	14	64
INDEX.C.CO.3	56	70	119	35	56	105	21	42	91	7	28	77	-	14	63
INDEX.C.CO.3/260	77	96	164	48	77	144	29	58	125	10	39	106	-	19	87
INDEX.C.CO.3/335	95	119	202	59	95	178	36	71	154	12	48	131	-	24	107
INDEX.C.CO.3.V	46	58	98	29	46	86	17	35	75	6	23	63	-	12	52
INDEX.C.CO.3/260.V	64	80	136	40	64	120	24	48	104	8	32	88	-	16	72
INDEX.C.CO.3/335.V	80	100	170	50	80	150	30	60	130	10	40	110	-	20	90
INDEX.C.CO.4	80	100	170	50	80	150	30	60	130	10	40	110	-	20	90
INDEX.C.CO.4/305	109	136	232	68	109	204	41	82	177	14	55	150	-	27	123
INDEX.C.CO.4/380	130	163	276	81	130	244	49	98	211	16	65	179	-	33	146
INDEX.C.CO.4.V	66	83	140	41	66	124	25	50	107	8	33	91	-	17	74
INDEX.C.CO.4/305.V	91	114	193	57	91	171	34	68	148	11	46	125	-	23	102
INDEX.C.CO.4/380.V	110	138	234	69	110	206	41	83	179	14	55	151	-	28	124
INDEX.C.CO.5	90	113	191	56	90	169	34	68	146	11	45	124	-	23	101
INDEX.C.CO.5/355	139	174	295	87	139	261	52	104	226	17	70	191	-	35	156
INDEX.C.CO.5/435	168	210	357	105	168	315	63	126	273	21	84	231	-	42	189
INDEX.C.CO.5.V	86	108	183	54	86	161	32	65	140	11	43	118	-	22	97
INDEX.C.CO.5/355.V	116	145	247	73	116	218	44	87	189	15	58	160	-	29	131
INDEX.C.CO.5/435.V	142	178	302	89	142	266	53	107	231	18	71	195	-	36	160



Control box Ex d - type INDEX.C.CO.xxx.x



Enclosure type Standard	Sizes	Holes for glands (D)							
		1/2"NPT M20x1.5	3/4"NPT M25x1.5	1"NPT M32x1.5	1.1/4"NPT M40x1.5	1.1/2"NPT M50x1.5	2"NPT M63x1.5	2.1/2"NPT M75x1.5	3"NPT M90x2
INDEX.C.CO.0	A - B - C - D	5	2	2	1	1	-	-	-
INDEX.C.CO.1	A - B - C - D	6	5	3	2	2	1	-	-
INDEX.C.CO.2	A - B - C - D	8	6	6	2	2	1	1	-
INDEX.C.CO.3	A - C	10	10	8	3	3	2	2	1
INDEX.C.CO.3	B - D	8	8	6	2	2	2	1	1
INDEX.C.CO.4	A - C	12	12	8	3	3	3	2	2
INDEX.C.CO.4	B - D	10	8	8	3	3	2	2	1
INDEX.C.CO.5	A - C	14	14	10	3	3	3	2	2
INDEX.C.CO.5	B - D	12	12	8	3	3	3	2	2





Control box Ex d - type INDEX.C.AS.xx.x.x

INDEX.C.AS.XX.X.X

V = with window, no letter is without window
 L = Stainless Steel 316, no letter is aluminium box
 type as per tabel below
 Design - Standard aluminium box
 Stainless Steel 316 box
 Gasgroup - IIC
 Manufacturer name

Technical data:

Ex mark: II 2G Ex db [...] IIC T4..T6 Gb

II 2D Ex db [...] IIC T4..T6 Db

Can be used in zone 1, 2, 21 en 22

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

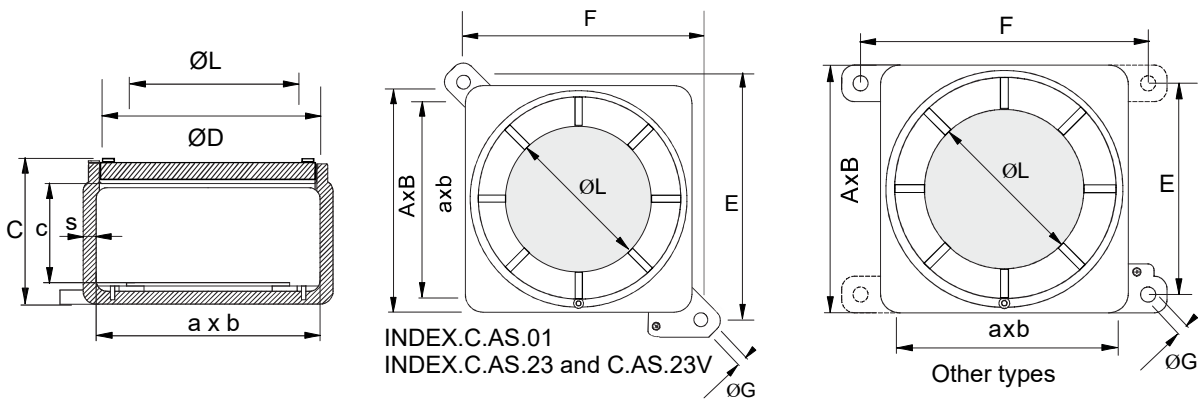
Optional temperature: $-40^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$

Degree of protection: IP66

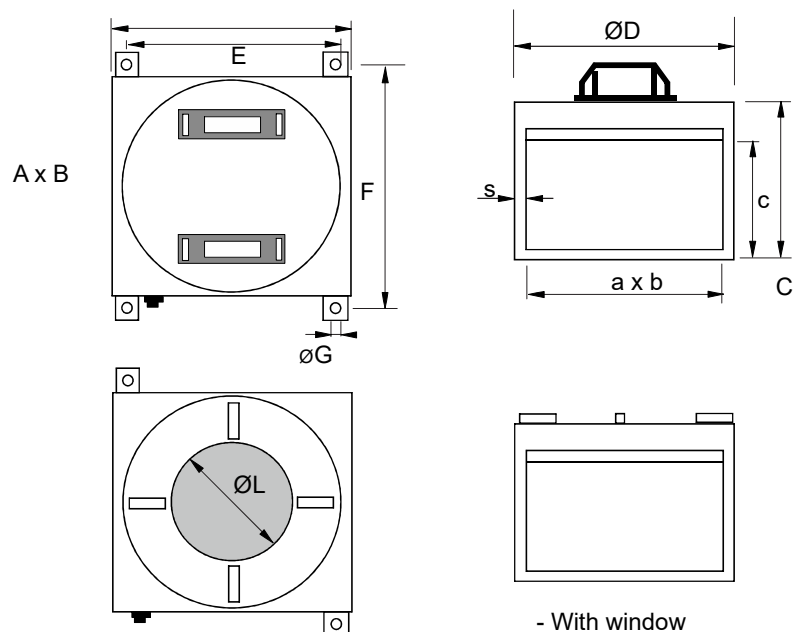
Material: copper free aluminium LM6 (copper <0.05%)

Material: Stainless Steel 316

Optional: offshore coating in RAL colour



Enclosure type Standard	Dimensions (mm)												Weight (kg)
	External				Internal					Fixing			
	A	B	C	øL	a	b	c	ød	s	E	F	øG	
INDEX.C.AS.1	198	198	150	-	170	170	87	158	14	200	226	9	5.0
INDEX.C.AS.23	270	310	181	-	242	282	101	225	14	275	310	12	10.5
INDEX.C.AS.3	305	280	238	-	273	248	127	246	16	270	305	13	10.5
INDEX.C.AS.4	420	420	281	-	390	390	147	373	15	460	500	14	60.0
INDEX.C.AS.5	600	600	365	-	550	550	207	543	25	550	600	14	77.0
INDEX.C.AS.23V	270	310	181	120	242	282	101	225	14	275	310	12	11.5
INDEX.C.AS.3V	305	280	238	195	273	248	127	246	16	270	305	13	11.5
INDEX.C.AS.4V	420	420	281	230	390	390	147	373	15	460	500	14	61.0



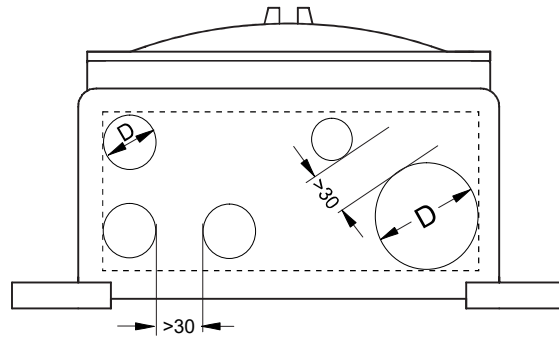
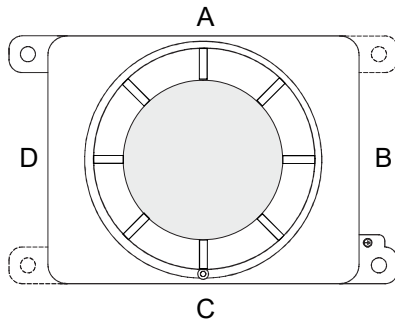
- With window

Enclosure type Standard	Dimensions (mm)												Weight (kg)
	External				Internal					Fixing			
	A	B	C	øL	a	b	c	ød	s	E	F	øG	
INDEX.C.AS.1.L	200	200	168		170	170	84	160	15	170	230	13	34
INDEX.C.AS.2.L	270	310	190		240	280	98	222	15	240	280	13	74
INDEX.C.AS.3.L	305	280	260+		275	250	168	247	15	270	308	13	74
INDEX.C.AS.4.L	420	420	260		390	390	163	375	15	380	460	13	130
INDEX.C.AS.5.L	600	600	382		550	550	203	543	25	545	640	17	200
INDEX.C.AS.2.L.V	270	310	190	150	240	280	98	222	15	240	280	13	74
INDEX.C.AS.3.L.V	305	280	260	195	275	250	168	247	15	270	308	13	74
INDEX.C.AS.4.L.V	420	420	260	230	390	390	163	375	15	380	460	13	130



Temperature class

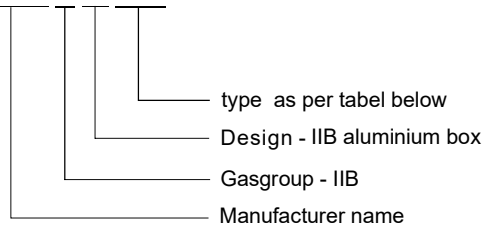
	Max. dissipated power by T.ambient								
	Max. ambient temp +40°C			Max. ambient temp +55°C			Max. ambient temp +80°C		
Enclosure type	T6	T5	T4	T6	T5	T4	T6	T5	T4
INDEX.C.AS.1	40	56	92	24	40	76	-	16	51
INDEX.C.AS.23	74	103	168	44	72	139	-	28	93
INDEX.C.AS.3	100	139	227	59	98	188	-	38	126
INDEX.C.AS.4	170	240	400	100	170	330	-	64	213
INDEX.C.AS.5	350	500	880	190	350	730	-	132	438
INDEX.C.AS.23V	60	83	135	36	58	112	-	23	76
INDEX.C.AS.3V	77	107	177	47	77	147	-	29	97
INDEX.C.AS.5V	130	190	300	70	130	250	-	45	150
INDEX.C.AS.1.L	40	56	92	24	40	76	-	16	51
INDEX.C.AS.2.L	74	103	168	44	72	139	-	28	93
INDEX.C.AS.3.L	100	139	227	59	98	188	-	38	126
INDEX.C.AS.4.L	170	240	400	100	170	330	-	64	213
INDEX.C.AS.5.L	350	500	880	190	350	730	-	132	438
INDEX.C.AS.2.L.V	60	83	135	36	58	112	-	23	76
INDEX.C.AS.3.L.V	77	107	177	47	77	147	-	29	97
INDEX.C.AS.4.L.V	130	190	300	70	130	250	-	45	150



Enclosure type Standard	Side	Holes for glands (D)							
		1/2"NPT M20x1.5	3/4"NPT M25x1.5	1"NPT M32x1.5	1.1/4"NPT M40x1.5	1.1/2"NPT M50x1.5	2"NPT M63x1.5	2.1/2"NPT M75x1.5	3"NPT M90x2
INDEX.C.AS.1	A - B - C - D	6	5	4	2	2	1	1	-
INDEX.C.AS.23	A - C	14	8	8	3	3	3	2	1
INDEX.C.AS.23	B - D	11	8	6	3	3	2	2	1
INDEX.C.AS.3	A - C	18	15	11	5	5	3	2	2
INDEX.C.AS.3	B - D	15	11	8	5	5	3	2	2
INDEX.C.AS.4	A - B - C - D	21	17	15	8	8	6	4	3
INDEX.C.AS.5	A - B - C - D	48	36	24	15	15	12	9	6
INDEX.C.AS.23V	A - C	14	8	8	3	3	3	2	1
INDEX.C.AS.23V	B - D	11	8	6	3	3	2	2	1
INDEX.C.AS.3V	A - C	18	15	11	5	5	3	2	2
INDEX.C.AS.3V	B - D	15	11	8	5	5	3	2	2
INDEX.C.AS.5V	A - B - C - D	48	36	24	15	15	12	9	6
INDEX.C.AS.1.L	A - B - C - D	5	2	2	2	2	1	1	-
INDEX.C.AS.2.L	A - C	5	4	4	3	3	2	2	-
INDEX.C.AS.2.L	B - D	4	4	3	3	2	2	2	-
INDEX.C.AS.3.L	A - C	10	8	8	6	3	2	2	2
INDEX.C.AS.3.L	B - D	9	7	7	6	3	2	2	2
INDEX.C.AS.4.L	A - B - C - D	20	11	10	9	4	3	3	3
INDEX.C.AS.5.L	A - B - C - D	33	15	15	12	9	6	6	3
INDEX.C.AS.2.L.V	A - C	5	4	4	3	3	2	2	-
INDEX.C.AS.2.L.V	B - D	4	4	3	3	2	2	2	-
INDEX.C.AS.3.L.V	A - C	10	8	8	6	3	2	2	2
INDEX.C.AS.3.L.V	B - D	9	7	7	6	3	2	2	2
INDEX.C.AS.4.L.V	A - B - C - D	20	11	10	9	4	3	3	3

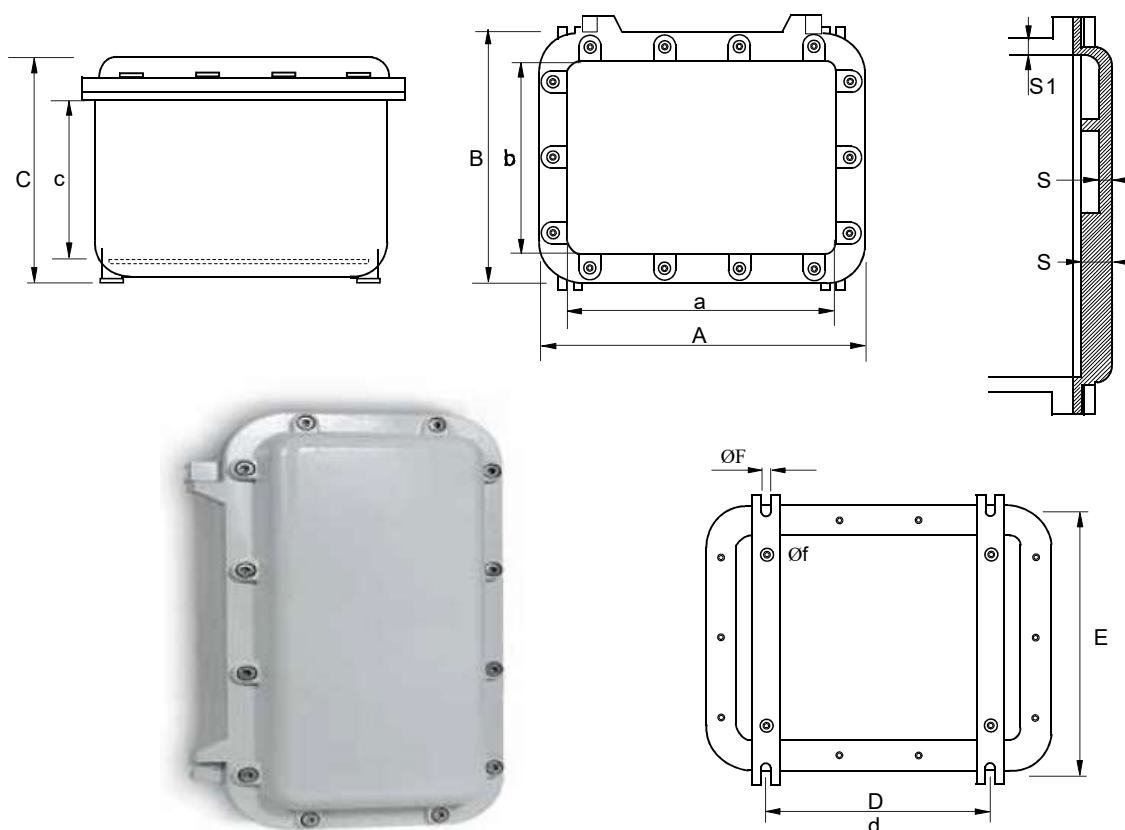


INDEX.B.CT.XXX



Technical data:

Ex mark: Ex II 2G Ex db [...] IIB+H2 T4..T6 Gb
 Ex II 2D Ex tb [...] IIIC T85°...T135°C Db
 Can be used in zone 1, 2, 21 en 22
 Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 Optional temperature: $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Degree of protection: IP66
 Material: copper free aluminium LM6 (copper <0.05%)
 with coating



	Nm Torque			
Material	M8	M10	M12	M16
Standard Bolt INOX Class 70	16	32	56	135

Note Preload = 50%

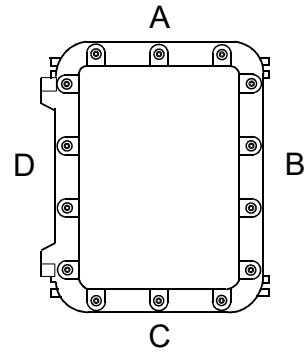
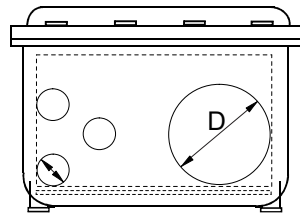


Enclosure type Standard	Dimensions (mm)													Weight (kg)
	External			Internal					Fixing					
	A	B	C	a	b	c	S	S1	D-d	E	e	F	f	
INDEX.B.CT.1	304	204	218	240	140	160	9	14	230	210	130	9	M8	7.7
INDEX.B.CT.1A	304	204	218	240	140	153	24	14	230	210	130	9	M8	8.5
INDEX.B.CT.2	424	224	218	360	160	159	10	14	350	230	150	9	M8	12.7
INDEX.B.CT.2A	424	224	218	360	160	153	24	14	350	230	150	9	M8	14.2
INDEX.B.CT.3	364	284	278	300	220	214	10	14	290	290	210	9	M8	15.8
INDEX.B.CT.3A	364	284	278	300	220	213	24	14	290	290	120	9	M8	17.8
INDEX.B.CT.3B	364	284	218	300	220	154	10	14	290	290	210	9	M8	14.4
INDEX.B.CT.3AB	364	284	218	300	220	153	24	14	290	290	210	9	M8	16.4
INDEX.B.CT.4	432	332	299	360	260	218	10	14	350	330	250	11	M10	21.6
INDEX.B.CT.4A	432	332	299	360	260	233	24	14	350	330	250	11	M10	24.1
INDEX.B.CT.4B	432	332	229	360	260	148	10	14	350	330	250	11	M10	20.7
INDEX.B.CT.4AB	432	332	229	360	260	163	24	14	350	330	250	11	M10	23.2
INDEX.B.CT.45	560	380	298	490	305	210	13	14	360	356	236	11	M10	35.0
INDEX.B.CT.45A	560	380	298	490	305	229	24	14	360	356	236	11	M10	35.0
INDEX.B.CT.45B	560	380	248	490	305	160	13	14	360	356	236	11	M10	27.0
INDEX.B.CT.45AB	560	380	248	490	305	179	24	14	360	356	236	11	M10	27.0
INDEX.B.CT.5	632	432	341	560	360	186	15	16	550	430	350	11	M10	54.0
INDEX.B.CT.5A	632	432	341	560	360	275	24	16	550	430	350	11	M10	56.5
INDEX.B.CT.5B	632	432	271	560	360	186	15	16	550	430	350	11	M10	47.4
INDEX.B.CT.5AB	632	432	271	560	360	205	24	16	550	430	350	11	M10	49.9
INDEX.B.CT.55	710	510	455	630	430	387	25	20	606	496	406	11	M10	98.6
INDEX.B.CT.55B	710	510	350	630	430	282	25	20	606	496	406	11	M10	77.4
INDEX.B.CT.503	632	432	397	560	360	331	24	16	550	430	350	11	M10	57.9
INDEX.B.CT.6	870	650	480	760	540	353	24	25	680	580	460	14	M16	153.0
INDEX.B.CT.6B	870	650	380	760	540	253	24	25	680	580	460	14	M16	136.0
INDEX.B.CT.7	1000	700	500	890	590	340	30	30	810	655	510	18	M16	210.0
INDEX.B.CT.7B	1000	700	400	890	590	240	30	30	810	655	510	18	M16	235.0



Enclosure type	Max. dissipated power by T.ambient					
	Max. ambient temp +40°C			Max. ambient temp +55°C		
	T6	T5	T4	T6	T5	T4
INDEX.B.CT.1	45	65	140	34	50	105
INDEX.B.CT.1A	45	65	140	34	50	105
INDEX.B.CT.2	60	85	190	45	65	142
INDEX.B.CT.2A	60	85	190	45	65	142
INDEX.B.CT.3	75	110	245	56	82	184
INDEX.B.CT.3A	75	110	245	56	82	184
INDEX.B.CT.3B	55	80	180	40	60	135
INDEX.B.CT.3AB	55	80	180	40	60	135
INDEX.B.CT.4	100	175	350	75	130	262
INDEX.B.CT.4A	100	175	350	75	130	262
INDEX.B.CT.4B	75	130	260	56	100	195
INDEX.B.CT.4AB	75	130	260	56	100	195
INDEX.B.CT.45	140	240	480	105	180	260
INDEX.B.CT.45A	140	240	480	105	180	360
INDEX.B.CT.45B	120	210	430	90	160	320
INDEX.B.CT.45AB	120	210	430	90	160	320
INDEX.B.CT.5	210	315	600	160	235	450
INDEX.B.CT.5A	210	315	600	160	235	450
INDEX.B.CT.5B	170	250	480	130	190	360
INDEX.B.CT.5AB	170	250	480	130	190	360
INDEX.B.CT.55	360	550	1050	270	400	765
INDEX.B.CT.55B	260	550	740	200	300	565
INDEX.B.CT.503	230	345	660	176	255	495
INDEX.B.CT.6	600	910	1740	460	680	1300
INDEX.B.CT.6B	490	720	1390	370	550	1040
INDEX.B.CT.7	770	1170	2270	590	890	2090
INDEX.B.CT.7B	600	910	1740	460	680	1300

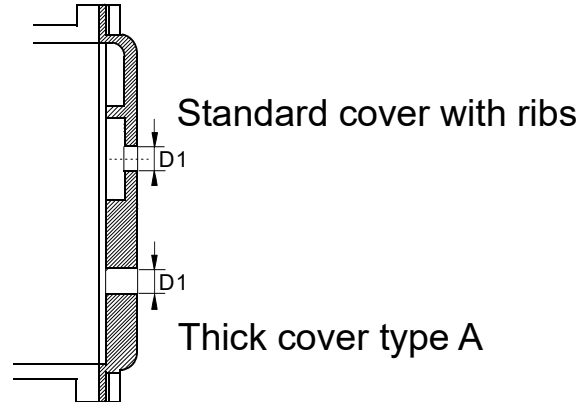
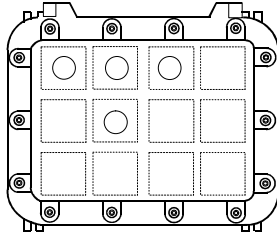
T6 / T5 and T4 = without signallights (LED's allowed)



Enclosure type Standard	Side	Area	Holes for glands (D)							
			1/2"NPT M20x1.5	3/4"NPT M25x1.5	1"NPT M32x1.5	1.1/4"NPT M40x1.5	1.1/2"NPT M50x1.5	2"NPT M63x1.5	2.1/2"NPT M75x1.5	3"NPT M90x2
INDEX.B.CT.1	A - C	100 x 120	6	4	4	2	2	1	1	1
INDEX.B.CT.2	A - C	120 x 120	6	4	4	4	2	1	1	1
INDEX.B.CT.3	A - C	180 x 180	16	12	9	6	4	4	3	2
INDEX.B.CT.3B	A - C	180 x 120	11	6	6	5	4	2	2	1
INDEX.B.CT.4	A - C	220 x 195	16	16	9	9	8	4	4	3
INDEX.B.CT.4B	A - C	220 x 130	16	8	6	6	6	3	2	2
INDEX.B.CT.45	A - C	277 x 190	24	18	12	12	9	6	5	4
INDEX.B.CT.45B	A - C	277 x 135	16	8	6	6	6	3	2	2
INDEX.B.CT.5	A - C	320 x 320	30	28	20	16	12	9	6	4
INDEX.B.CT.5B	A - C	320 x 160	24	18	15	8	8	6	3	3
INDEX.B.CT.55	A - C	400 x 270	45	35	30	20	20	12	8	6
INDEX.B.CT.55B	A - C	400 x 220	38	28	24	15	15	12	8	6
INDEX.B.CT.503	A - C	320 x 230	30	28	20	16	12	9	6	4
INDEX.B.CT.6	A - C	480 x 260	50	45	38	28	24	15	12	8
INDEX.B.CT.6B	A - C	480 x 160	38	27	23	14	12	10	7	4
INDEX.B.CT.7	A - C	490 x 250	66	50	24	20	21	18	10	10
INDEX.B.CT.7B	A - C	490 x 180	40	34	36	24	12	10	8	4
INDEX.B.CT.1	B - D	200 x 120	12	8	6	6	4	3	2	1
INDEX.B.CT.2	B - D	210 x 120	18	12	10	9	8	4	3	2
INDEX.B.CT.3	B - D	260 x 180	20	15	12	9	6	6	4	3
INDEX.B.CT.3B	B - D	260 x 120	15	10	8	8	6	3	2	2
INDEX.B.CT.4	B - D	320 x 195	24	24	15	12	12	6	6	4
INDEX.B.CT.4B	B - D	320 x 130	18	12	10	8	8	5	3	2
INDEX.B.CT.45	B - D	448 x 190	36	30	21	18	17	10	8	6
INDEX.B.CT.45B	B - D	448 x 135	27	12	10	8	8	5	3	2
INDEX.B.CT.5	B - D	520 x 230	50	45	32	28	18	15	10	8
INDEX.B.CT.5B	B - D	520 x 160	40	27	24	14	12	10	5	4
INDEX.B.CT.55	B - D	600 x 270	69	55	45	32	32	18	15	10
INDEX.B.CT.55B	B - D	600 x 220	58	42	36	24	24	18	10	10
INDEX.B.CT.503	B - D	520 x 230	50	45	32	28	18	15	10	8
INDEX.B.CT.6	B - D	700 x 260	70	60	55	40	34	24	18	12
INDEX.B.CT.6B	B - D	700 x 160	54	38	33	20	18	16	9	6
INDEX.B.CT.7	B - D	790 x 250	85	60	52	36	33	27	16	14
INDEX.B.CT.7B	B - D	790 x 180	64	54	39	32	20	18	14	6



Holes in cover INDEX.B.CT.type

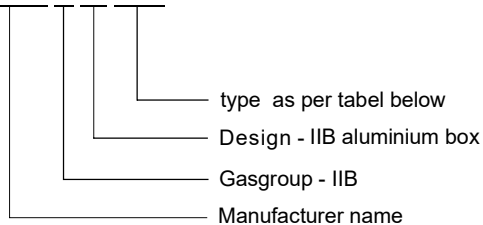


Enclosure type Standard	Max holes (D1) in cover for pushbuttons, signallights etc.			
	Standard cover		Cover type A	
	M20 / 1/2"BSP	M42 / 1"BSP	M20 / 1/2"BSP	M42 / 1"BSP
INDEX.B.CT.1	4	4	8	6
INDEX.B.CT.2	8	8	12	10
INDEX.B.CT.3	8	8	15	12
INDEX.B.CT.3B	8	8	15	12
INDEX.B.CT.4	12	12	24	15
INDEX.B.CT.4B	12	12	24	15
INDEX.B.CT.45	24	24	48	28
INDEX.B.CT.45B	24	24	48	28
INDEX.B.CT.5	32	32	54	40
INDEX.B.CT.5B	32	32	54	40
INDEX.B.CT.55	-	-	-	54
INDEX.B.CT.55B	-	-	-	54
INDEX.B.CT.503	-	32	-	-
INDEX.B.CT.6	-	60	-	-
INDEX.B.CT.6B	-	60	-	-
INDEX.B.CT.7	-	60	-	-
INDEX.B.CT.7B	-	60	-	-



Control box Ex d - type INDEX.B.CO.xx

INDEX.B.CO.XXX



Technical data:

Ex mark: Ex II 2G Ex db [...] IIB+H2 T6..T4

Ex II 2D Ex tb [...] IIIC T85°...T135°C

Can be used in zone 1, 2, 21 en 22

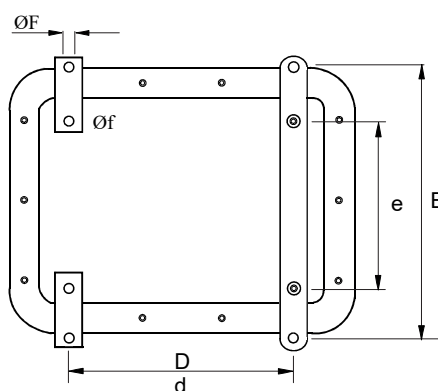
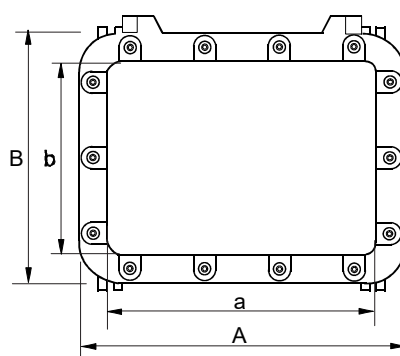
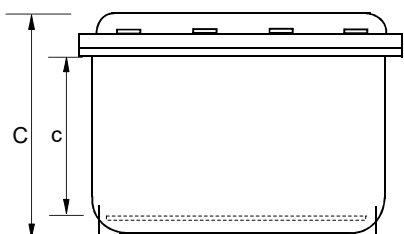
Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Optinal: $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

Degree of protection: IP66

Material: copper free aluminium LM6 (copper <0.05%)

Optional: offshore coating in RAL colour



	Nm Torque
Material	
Standard Bolt INOX Class 70	see next page

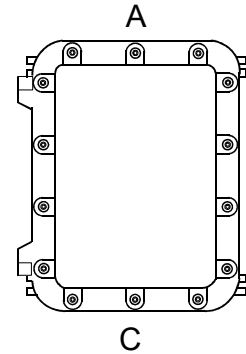
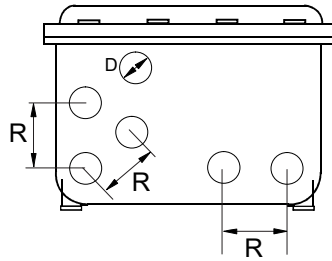
Note Preload = 50%



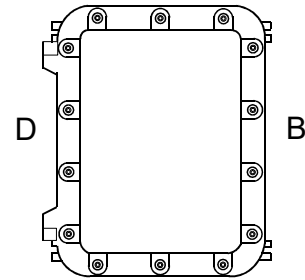
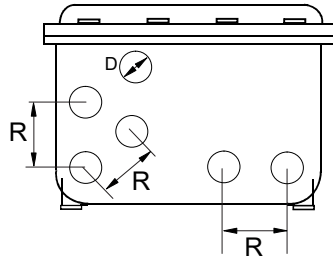
Enclosure type	Dimensions (mm)												Weight	Torque Values
	External			Internal			Fixing dimensions			Fixing with brackets				
	A	B	C	a	b	c	d	e	f	D	E	F	KG	Nm
INDEX.B.CO.0	150	150	127	93	93	96	60	104	M6	60	140	7	3.2	11
INDEX.B.CO.1	200	150	127	143	93	96	110	104	M6	110	140	7	4.1	11
INDEX.B.CO.2	250	200	150	190	140	124	160	154	M6	160	190	7	6.8	11
INDEX.B.CO.3	300	250	150	225	175	117	180	185	M6	180	230	9	10.6	25
INDEX.B.CO.3A	300	250	200	225	175	167	180	185	M6	180	230	9	11.9	25
INDEX.B.CO.4	350	250	150	275	175	117	230	185	M6	230	230	9	12.0	25
INDEX.B.CO.4A	350	250	200	275	175	167	230	185	M6	230	230	9	13.3	25
INDEX.B.CO.5	400	300	200	318	218	164	275	225	M8	275	275	9	18.0	25
INDEX.B.CO.5A	400	300	250	318	218	214	275	225	M8	275	275	9	20.0	25
INDEX.B.CO.6	450	300	200	368	218	164	325	225	M8	325	275	9	20.0	25
INDEX.B.CO.6A	450	300	250	368	218	214	325	225	M8	325	275	9	22.5	25
INDEX.B.CO.7	500	400	200	405	305	152	350	315	M10	350	370	11	31.0	48
INDEX.B.CO.7A	500	400	250	405	305	202	350	315	M10	350	370	11	34.0	48
INDEX.B.CO.8	550	350	200	455	255	152	400	265	M10	400	320	11	31.0	48
INDEX.B.CO.8A	550	350	250	455	255	200	400	265	M10	400	320	11	34.0	48
INDEX.B.CO.9	600	400	200	500	300	145	450	315	M10	450	370	11	38.0	48
INDEX.B.CO.9A	600	400	250	500	300	195	450	315	M10	450	370	11	43.0	48
INDEX.B.CO.10	650	450	200	548	356	145	500	360	M10	500	420	11	49.0	48
INDEX.B.CO.10A	650	450	250	548	356	195	500	360	M10	500	420	11	55.0	48
INDEX.B.CO.10B	650	450	300	548	356	245	500	360	M10	500	420	11	61.5	48
INDEX.B.CO.11	700	500	250	586	386	194	520	395	M12	520	465	13	68.0	85
INDEX.B.CO.11A	700	500	300	586	386	244	520	395	M12	520	465	13	76.0	85
INDEX.B.CO.11B	700	500	350	586	386	294	520	395	M12	520	465	13	84.0	85
INDEX.B.CO.12	750	550	250	636	436	190	570	445	M12	570	515	13	82.0	85
INDEX.B.CO.12A	750	550	300	636	436	240	570	445	M12	570	515	13	90.0	85
INDEX.B.CO.12B	750	550	350	636	436	290	570	445	M12	570	515	13	98.0	85
INDEX.B.CO.13	600	200	140	520	120	105	470	135	M6	470	180	9	15.5	25
INDEX.B.CO.14	750	220	175	670	140	130	610	150	M8	610	200	9	24.0	25
INDEX.B.CO.16	920	670	330	800	550	245	650	560	M16	650	660	16	135.0	130
INDEX.B.CO.16A	920	670	390	800	550	305	650	560	M16	650	660	16	150.0	130
INDEX.B.CO.16B	920	670	450	800	550	365	650	560	M16	650	660	16	160.0	130
INDEX.B.CO.20B	450	450	470	356	356	405	300	360	M10	300	420	11	51.0	48



Enclosure type	Max. dissipated power by T.ambient											
	Max. ambient temp +40				Max. ambient temp +50				Max. ambient temp +60			
	T6	T5	T4	T3	T6	T5	T4	T3	T6	T5	T4	T3
INDEX.B.CO.0	15	20	35	70	10	15	30	65	5	15	25	60
INDEX.B.CO.1	20	30	50	100	15	20	40	90	10	20	35	85
INDEX.B.CO.2	40	55	90	180	30	40	80	175	15	30	70	160
INDEX.B.CO.3	50	70	110	240	35	55	100	220	20	40	85	205
INDEX.B.CO.3A	60	85	140	295	40	65	120	275	25	50	105	255
INDEX.B.CO.4	60	80	130	280	40	60	120	260	25	50	100	240
INDEX.B.CO.4A	70	95	160	340	50	75	140	320	30	60	125	295
INDEX.B.CO.5	90	120	205	430	60	100	180	405	40	75	160	380
INDEX.B.CO.5A	100	145	240	510	70	115	210	475	45	95	185	445
INDEX.B.CO.6	100	135	230	490	70	110	205	455	45	85	175	420
INDEX.B.CO.6A	115	160	270	570	80	130	240	535	50	100	205	495
INDEX.B.CO.7	130	180	305	645	90	145	270	600	55	110	230	555
INDEX.B.CO.7A	150	205	350	740	105	165	310	695	65	130	270	645
INDEX.B.CO.8	125	175	295	620	90	140	260	580	55	105	225	540
INDEX.B.CO.8A	140	200	340	715	100	160	300	670	65	120	260	620
INDEX.B.CO.9	150	205	350	740	105	165	310	690	65	125	270	640
INDEX.B.CO.9A	170	234	400	850	120	190	355	795	75	145	305	735
INDEX.B.CO.10	180	240	430	905	130	205	380	845	80	155	320	785
INDEX.B.CO.10A	205	290	485	1035	150	230	430	965	90	175	375	895
INDEX.B.CO.10B	230	325	545	1160	165	260	480	1080	100	200	420	1000
INDEX.B.CO.11	230	325	545	1150	165	260	480	1075	100	200	420	1000
INDEX.B.CO.11A	255	360	610	1290	185	290	540	1205	115	220	465	1120
INDEX.B.CO.11B	280	400	670	1425	200	320	595	1330	130	240	515	1235
INDEX.B.CO.12	265	375	630	1340	190	300	555	1250	120	230	485	1160
INDEX.B.CO.12A	295	415	700	1490	210	335	620	1390	130	255	540	1290
INDEX.B.CO.12B	325	460	775	1635	235	365	680	1530	145	280	590	1420
INDEX.B.CO.13	70	100	170	360	50	80	150	335	30	60	130	310
INDEX.B.CO.14	110	155	260	555	80	125	230	515	50	95	200	480
INDEX.B.CO.16	425	600	1015	2145	305	480	895	2005	190	365	775	1860
INDEX.B.CO.16A	470	660	1120	2370	340	530	990	2215	210	405	855	2055
INDEX.B.CO.16B	515	725	1225	2555	370	580	1080	2425	230	445	940	2250
INDEX.B.CO.20B	230	325	545	1155	150	260	480	1080	100	200	420	1000



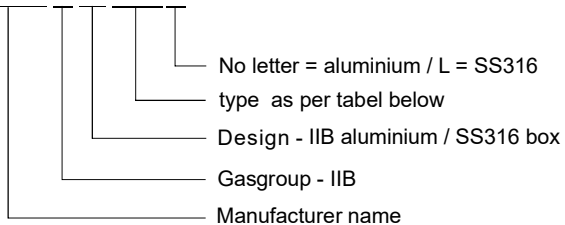
Enclosure type Standard	Side	Holes for glands (D)															
		R 1/2"NPT M20x1.5		R 3/4"NPT M25x1.5		R 1"NPT M32x1.5		R 1.1/4"NPT M40x1.5		R 1.1/2"NPT M50x1.5		R 2"NPT M63x1.5		R 2.1/2"NPT M75x1.5		R 3"NPT M90x2	
INDEX.B.CO.0	A - C	45	3	50	2	-	1	-	-	-	-	-	-	-	-	-	-
INDEX.B.CO.1	A - C	45	3	50	2	-	1	-	-	-	-	-	-	-	-	-	-
INDEX.B.CO.2	A - C	45	5	50	5	60	3	90	2	-	1	-	-	-	-	-	-
INDEX.B.CO.3	A - C	45	5	55	4	60	3	90	2	100	2	-	-	-	-	-	-
INDEX.B.CO.3A	A - C	45	8	55	6	60	6	70	3	70	3	85	2	-	1	-	1
INDEX.B.CO.4	A - C	50	5	50	4	60	5	95	2	95	2	-	-	-	-	-	-
INDEX.B.CO.4A	A - C	50	8	55	6	55	6	70	3	70	3	85	2	-	1	-	1
INDEX.B.CO.5	A - C	55	8	60	8	65	6	100	2	100	2	-	1	-	-	-	-
INDEX.B.CO.5A	A - C	50	11	50	11	60	8	70	6	70	6	100	2	-	1	-	1
INDEX.B.CO.6	A - C	55	8	55	8	65	6	100	2	100	2	-	1	-	-	-	-
INDEX.B.CO.6A	A - C	50	11	50	11	60	8	70	6	70	6	100	2	-	1	-	1
INDEX.B.CO.7	A - C	55	10	55	10	70	7	100	3	100	3	95	3	-	-	-	-
INDEX.B.CO.7A	A - C	55	15	55	15	70	8	80	5	80	5	95	3	-	1	-	1
INDEX.B.CO.8	A - C	60	8	60	8	70	5	100	2	100	2	120	2	-	-	-	-
INDEX.B.CO.8A	A - C	60	11	60	11	70	6	80	5	80	5	120	2	-	1	-	1
INDEX.B.CO.9	A - C	60	8	60	8	70	4	90	3	90	3	90	3	-	-	-	-
INDEX.B.CO.9A	A - C	60	15	60	15	70	8	80	5	80	5	90	3	160	2	160	2
INDEX.B.CO.10	A - C	55	11	55	11	65	5	85	4	85	4	110	3	-	-	-	-
INDEX.B.CO.10A	A - C	55	17	55	17	65	10	85	7	85	7	110	3	180	2	180	2
INDEX.B.CO.10B	A - C	55	17	55	17	65	14	85	8	85	8	110	5	180	2	180	2
INDEX.B.CO.11	A - C	60	12	60	12	65	9	90	4	90	4	110	3	-	-	-	-
INDEX.B.CO.11A	A - C	60	17	60	17	65	10	90	7	90	7	110	3	180	2	180	2
INDEX.B.CO.11B	A - C	60	22	60	22	65	14	90	8	90	8	110	5	180	2	180	2
INDEX.B.CO.12	A - C	55	14	55	14	65	11	90	4	90	4	90	4	240	2	240	2
INDEX.B.CO.12A	A - C	55	20	55	20	65	12	90	8	90	8	90	7	240	2	240	2
INDEX.B.CO.12B	A - C	55	26	55	26	65	17	90	8	90	8	90	8	240	2	240	2
INDEX.B.CO.13	A - C	50	2	55	2	-	1	-	1	-	1	-	-	-	-	-	-
INDEX.B.CO.14	A - C	60	2	60	2	65	2	-	1	-	1	-	-	-	-	-	-
INDEX.B.CO.16	A - C	60	15	60	15	70	7	90	5	90	5	95	5	-	-	-	-
INDEX.B.CO.16A	A - C	60	23	60	23	70	14	90	10	90	10	95	5	-	-	-	-
INDEX.B.CO.16B	A - C	60	30	60	30	70	20	90	14	90	14	120	8	160	3	160	3
INDEX.B.CO.20B	A - C	55	22	55	22	65	14	85	8	85	8	110	6	180	2	180	2



Enclosure type Standard	Side	Holes for glands (D)															
		R 1/2"NPT M20x1.5		R 3/4"NPT M25x1.5		R 1"NPT M32x1.5		R 1.1/4"NPT M40x1.5		R 1.1/2"NPT M50x1.5		R 2"NPT M63x1.5		R 2.1/2"NPT M75x1.5		R 3"NPT M90x2	
INDEX.B.CO.0	B - D	45	3	50	2	-	1	-	-	-	-	-	-	-	-	-	-
INDEX.B.CO.1	B - D	45	5	50	3	60	2	-	-	-	-	-	-	-	-	-	-
INDEX.B.CO.2	B - D	50	7	55	6	60	4	90	2	90	2	-	-	-	-	-	-
INDEX.B.CO.3	B - D	45	7	55	5	55	4	90	2	90	2	-	-	-	-	-	-
INDEX.B.CO.3A	B - D	45	10	55	8	60	8	70	5	70	5	100	2	-	1	-	1
INDEX.B.CO.4	B - D	50	7	50	6	60	5	95	3	95	3	-	-	-	-	-	-
INDEX.B.CO.4A	B - D	50	10	55	10	60	8	70	5	70	5	130	2	-	1	-	1
INDEX.B.CO.5	B - D	55	12	60	10	65	9	100	3	100	3	140	2	-	-	-	-
INDEX.B.CO.5A	B - D	50	17	50	17	60	11	80	6	80	6	90	5	160	2	160	2
INDEX.B.CO.6	B - D	50	14	60	12	65	12	100	4	100	3	140	2	-	-	-	-
INDEX.B.CO.6A	B - D	50	20	50	20	60	17	80	6	80	6	90	5	160	2	160	2
INDEX.B.CO.7	B - D	55	14	55	14	70	9	100	4	100	4	120	3	-	-	-	-
INDEX.B.CO.7A	B - D	55	20	55	20	70	10	80	9	80	9	120	3	200	2	-	1
INDEX.B.CO.8	B - D	60	14	60	14	70	9	90	5	90	5	110	4	-	-	-	-
INDEX.B.CO.8A	B - D	60	20	60	20	70	10	80	9	80	9	110	4	200	2	200	2
INDEX.B.CO.9	B - D	60	16	60	16	70	6	80	6	80	6	120	4	-	-	-	-
INDEX.B.CO.9A	B - D	60	23	60	23	70	12	80	11	80	11	120	4	160	3	160	3
INDEX.B.CO.10	B - D	60	17	60	17	65	8	85	5	85	5	110	5	-	-	-	-
INDEX.B.CO.10A	B - D	60	26	60	26	65	16	85	9	85	9	110	5	180	3	180	3
INDEX.B.CO.10B	B - D	60	26	60	26	65	23	85	10	85	10	110	9	180	3	180	3
INDEX.B.CO.11	B - D	60	18	60	18	65	15	90	6	90	6	110	5	-	-	-	-
INDEX.B.CO.11A	B - D	60	26	60	26	65	16	90	11	90	11	110	5	180	3	180	3
INDEX.B.CO.11B	B - D	60	34	60	34	65	23	90	12	90	12	110	9	180	3	180	3
INDEX.B.CO.12	B - D	65	18	65	18	70	15	80	6	80	6	110	5	200	3	200	3
INDEX.B.CO.12A	B - D	65	26	65	26	70	16	80	12	80	12	90	9	200	3	200	3
INDEX.B.CO.12B	B - D	65	34	65	34	70	23	80	12	80	12	90	10	200	3	200	3
INDEX.B.CO.13	B - D	65	7	65	7	85	6	-	1	-	1	-	-	-	-	-	-
INDEX.B.CO.14	B - D	60	10	70	9	90	7	90	4	90	4	-	-	-	-	-	-
INDEX.B.CO.16	B - D	60	21	60	21	70	10	90	8	90	8	100	7	-	-	-	-
INDEX.B.CO.16A	B - D	60	32	60	32	70	20	90	16	90	16	100	7	140	5	140	5
INDEX.B.CO.16B	B - D	60	42	60	42	70	29	90	23	90	23	120	12	140	5	140	5
INDEX.B.CO.20B	B - D	55	22	55	22	65	14	85	8	85	8	110	6	180	2	180	2

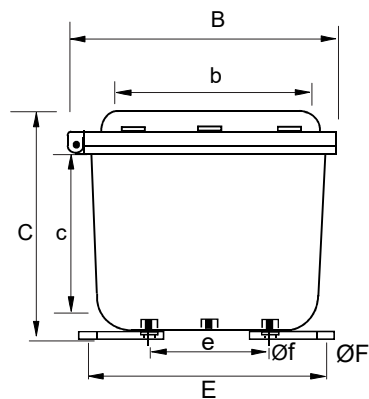
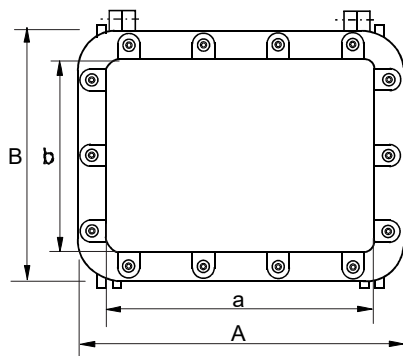
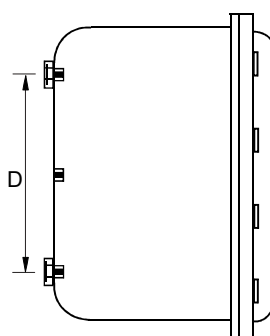
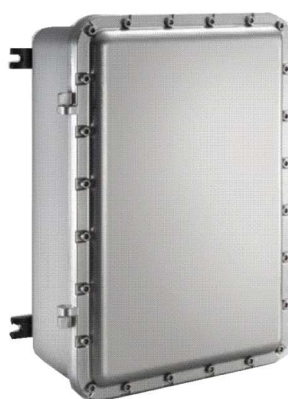


INDEX.B.AS.XXX.x



Technical data:

Ex mark: II 2G Ex db [...] IIB+H2 T4..T6 Gb
 II 2D Ex tb [...] IIIC T80°...T135°C Db
 Can be used in zone 1, 2, 21 en 22
 Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 Ambient temperature: $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
 Degree of protection: IP66
 Material: Copper free aluminium LM6 (copper <0.05%)
 Option: Stainless Steel 316



	Nm Torque				
Material	M5	M6	M8	M10	M12
Bolt INOX - class 50	2.4	4.1	10.1	20.3	34.8
Bolt INOX - class 60	5.1	8.8	21.5	44.0	74.0
Bolt INOX - class 70	6.9	11.8	28.7	58.0	100.0

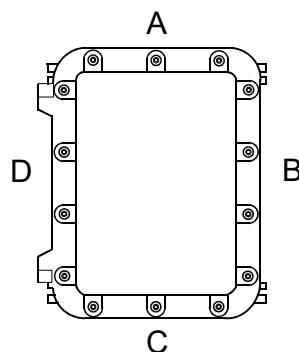
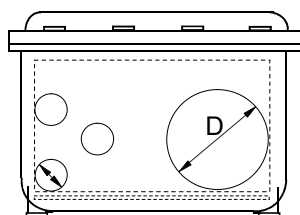
Note Preload = 50%



Enclosure type	Dimensions (mm)									
	External			Internal			Fixing with brackets			Weight
	A	B	C	a	b	c	D	E	F	KG
INDEX.B.AS.11	175	175	132	115	115	91	173	78	13	4
INDEX.B.AS.12	173	111	106	146	81	68	195	83	10	5
INDEX.B.AS.123	300	111	104	270	81	64	330	83	10	6
INDEX.B.AS.13	260	200	86	200	140	46	162	192	12	7
INDEX.B.AS.14	240	150	70	200	110	56	-	-	-	3
INDEX.B.AS.21	285	245	179	220	180	127	160	245	13	13
INDEX.B.AS.22	300	200	234	235	135	175	195	188	13	10
INDEX.B.AS.23	310	260	207	250	200	152	195	240	13	15
INDEX.B.AS.30	415	315	178	351	251	114	294	295	13	20
INDEX.B.AS.31	415	315	259	351	251	195	294	295	13	24
INDEX.B.AS.51	566	366	269	500	300	207	360	336	13	36
INDEX.B.AS.61	670	470	372	600	400	307	500	440	13	58
INDEX.B.AS.63	670	470	245	600	400	180	500	440	13	49
INDEX.B.AS.71	742	542	439	656	456	356	520	580	13	131
INDEX.B.AS.73	742	542	311	656	456	213	520	580	13	152
INDEX.B.AS.91	963	660	472	844	544	365	700	650	16	214
INDEX.B.AS.93	960	660	305	825	544	193	700	650	16	200
INDEX.B.AS.11L	175	175	132	115	115	91	173	73	13	14
INDEX.B.AS.12L	173	111	106	146	81	68	195	83	10	16
INDEX.B.AS.13L	260	200	86	200	140	46	162	192	12	17
INDEX.B.AS.14L	240	150	70	200	110	56	-	-	-	10
INDEX.B.AS.21L	285	245	179	220	180	127	160	245	13	32
INDEX.B.AS.22L	300	200	234	235	135	175	195	188	13	34
INDEX.B.AS.23L	310	260	207	250	200	152	195	240	13	38
INDEX.B.AS.30L	415	315	178	351	251	114	294	295	13	52
INDEX.B.AS.31L	415	315	259	351	251	195	294	295	13	64
INDEX.B.AS.51L	566	366	256	500	300	207	360	336	13	95
INDEX.B.AS.61L	670	470	361	600	400	307	500	440	13	155
INDEX.B.AS.63L	670	470	236	600	400	180	500	440	13	127
INDEX.B.AS.71L	742	542	429	632	432	331	520	580	16	280
INDEX.B.AS.73L	742	542	311	632	432	213	520	580	16	200
INDEX.B.AS.91L	960	660	462	825	525	350	700	650	16	618
INDEX.B.AS.93L	960	660	305	825	525	193	700	650	16	573

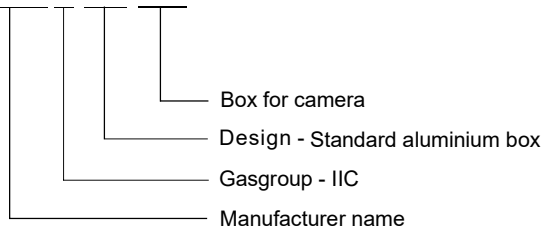


		Max. dissipated power by T.ambient					
		Max. ambient temp +40°C			Max. ambient temp +60°C		
Enclosure type		T6	T5	T4	T6	T5	T4
INDEX.B.AS.11	INDEX.B.AS.11L	40	57	64	18	34	47
INDEX.B.AS.12	INDEX.B.AS.12L	36	51	58	16	31	43
INDEX.B.AS.123		58	83	93	26	50	69
INDEX.B.AS.13	INDEX.B.AS.13L	58	82	92	26	49	68
INDEX.B.AS.14	INDEX.B.AS.14L	58	82	92	26	49	68
INDEX.B.AS.21	INDEX.B.AS.21L	133	186	189	63	114	139
INDEX.B.AS.22	INDEX.B.AS.22L	103	145	147	49	88	108
INDEX.B.AS.23	INDEX.B.AS.23L	126	177	180	60	108	132
INDEX.B.AS.30	INDEX.B.AS.30L	168	236	240	80	144	176
INDEX.B.AS.31	INDEX.B.AS.31L	143	201	232	62	124	170
INDEX.B.AS.51	INDEX.B.AS.51L	220	310	357	95	191	262
INDEX.B.AS.61	INDEX.B.AS.61L	431	586	663	215	376	492
INDEX.B.AS.63	INDEX.B.AS.63L	296	416	480	128	256	352
INDEX.B.AS.71	INDEX.B.AS.71L	549	747	845	229	479	627
INDEX.B.AS.73	INDEX.B.AS.73L	458	622	704	275	399	522
INDEX.B.AS.91	INDEX.B.AS.91L	904	1240	1384	312	784	1040
INDEX.B.AS.93	INDEX.B.AS.93L	624	848	960	440	544	712



Enclosure type		Side	Holes for glands (D)							
			1/2"NPT M20x1.5	3/4"NPT M25x1.5	1"NPT M32x1.5	1.1/4"NPT M40x1.5	1.1/2"NPT M50x1.5	2"NPT M63x1.5	2.1/2"NPT M75x1.5	3"NPT M90x2
INDEX.B.AS.11	INDEX.B.AS.11L	A - C	3	2	2	-	-	-	-	-
INDEX.B.AS.12	INDEX.B.AS.12L	A - C	2	1	1	-	-	-	-	-
INDEX.B.AS.123		A - C	2	1	1	-	-	-	-	-
INDEX.B.AS.13	INDEX.B.AS.13L	A - C	4	2	1	-	-	-	-	-
INDEX.B.AS.14	INDEX.B.AS.14X	A - C	3	2	2	2	1	1	-	-
INDEX.B.AS.21	INDEX.B.AS.21L	A - C	6	5	3	2	2	1	1	1
INDEX.B.AS.22	INDEX.B.AS.22L	A - C	6	4	4	2	2	1	1	1
INDEX.B.AS.23	INDEX.B.AS.23L	A - C	7	6	5	3	3	2	1	1
INDEX.B.AS.30	INDEX.B.AS.30L	A - C	4	4	3	3	3	2	-	-
INDEX.B.AS.31	INDEX.B.AS.31L	A - C	12	11	6	5	5	2	2	2
INDEX.B.AS.51	INDEX.B.AS.51L	A - C	14	8	8	7	5	3	2	2
INDEX.B.AS.61	INDEX.B.AS.61L	A - C	35	22	20	13	9	6	4	2
INDEX.B.AS.63	INDEX.B.AS.63L	A - C	14	12	10	5	4	3	3	3
INDEX.B.AS.71	INDEX.B.AS.71L	A - C	42	30	30	20	12	11	6	6
INDEX.B.AS.73	INDEX.B.AS.73L	A - C	26	18	14	12	8	7	4	2
INDEX.B.AS.91	INDEX.B.AS.91L	A - C	54	38	28	15	15	10	6	4
INDEX.B.AS.93	INDEX.B.AS.93L	A - C	30	24	21	14	12	7	5	2
INDEX.B.AS.11	INDEX.B.AS.11L	B - D	3	2	2	-	-	-	-	-
INDEX.B.AS.12	INDEX.B.AS.12L	B - D	3	3	2	-	-	-	-	-
INDEX.B.AS.123		B - D	6	6	4	-	-	-	-	-
INDEX.B.AS.13	INDEX.B.AS.13L	B - D	6	3	2	-	-	-	-	-
INDEX.B.AS.14	INDEX.B.AS.14L	B - D	3	2	2	2	1	1	-	-
INDEX.B.AS.21	INDEX.B.AS.21L	B - D	8	6	5	3	2	2	2	1
INDEX.B.AS.22	INDEX.B.AS.22L	B - D	12	7	6	5	4	2	2	1
INDEX.B.AS.23	INDEX.B.AS.23L	B - D	9	8	7	3	3	3	2	2
INDEX.B.AS.30	INDEX.B.AS.30L	B - D	6	5	5	4	4	3	-	-
INDEX.B.AS.31	INDEX.B.AS.31L	B - D	18	15	10	8	7	3	3	2
INDEX.B.AS.51	INDEX.B.AS.51L	B - D	25	15	14	7	7	5	4	3
INDEX.B.AS.61	INDEX.B.AS.61L	B - D	55	36	27	13	13	8	5	3
INDEX.B.AS.63	INDEX.B.AS.63L	B - D	22	18	17	8	6	5	5	3
INDEX.B.AS.71	INDEX.B.AS.71L	B - D	69	48	48	32	20	17	10	9
INDEX.B.AS.73	INDEX.B.AS.73L	B - D	40	26	22	18	14	12	7	4
INDEX.B.AS.91	INDEX.B.AS.91L	B - D	90	66	36	25	25	17	11	8
INDEX.B.AS.93	INDEX.B.AS.93L	B - D	48	42	29	22	12	11	9	5

INDEX.C.GUB.CAM



Technical data:

Ex mark: Ex II 2G Ex d [...] IIC T4..T6 Gb

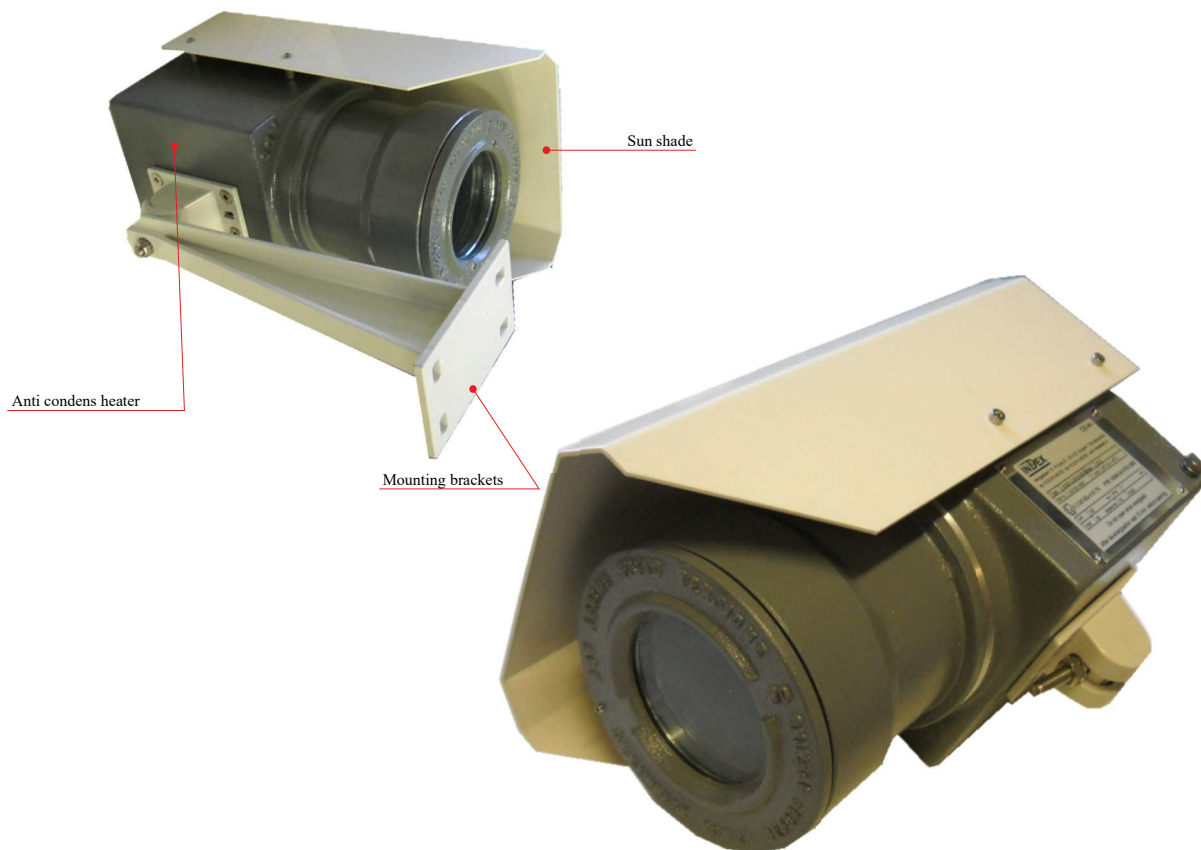
Ex II 2D Ex tb IIIC T80 Db

Can be used in zone 1, 2, 21 en 22

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Degree of protection: IP66

Material: copper free aluminium LM6 (copper <0.05%) with coating in RAL colour



	Max. dissipated power by T.ambient								
	Max. ambient temp +40°C			Max. ambient temp +50°C			Max. ambient temp +60°C		
Enclosure type	T6	T5	T4	T6	T5	T4	T6	T5	T4
INDEX.C.GUB.CAM	57	71	121	36	57	107	21	43	93

All boxes have the possibility for using pushbuttons, signallights, switches, potentiometers, cable glands, windows, breathers, flame arrestors, etc.

Pushbuttons / signallights / switches etc.

Technical data:

Ex mark: $\text{Ex II 2 G Ex d IIC Gb}$

$\text{Ex II 2 D Ex tb IIIC Db}$

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$

optional temperature: $-50^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

Degree of protection: IP66

Voltage: AC 24V/10A - 230V/6A - 400V/4A - 50/60Hz.

Voltage: DC 24V/2.8A - 125V/0,55A - 250V/0.27A

Material body: Brass zinc plated

Material knob switch and lens: Polycarbonate

Components may be used in boxes with maximum free volume by group IIB+H2: 160.6 dm³ and for group IIC: 62.9 dm³
The components with width of cylindrical joints of 19 mm shall be fitted on enclosures with a maximum volume of 2 dm³



Breather, drainvalve, flame arrestor, etc.

Technical data type CT:

Ex mark: $\text{Ex II 2 G Ex d IIC T6 Gb}$ (for boxes with max. volume of 100 dm³)

$\text{Ex II 2 G Ex d IIB+H2 T6 Gb}$ (for boxes with max. volume of 157 dm³)

$\text{Ex II 2 D Ex tb IIIC Db}$

Ambient temperature: $-50^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

Degree of protection: Drain and breathing valves IP66 when closed, IP64 when open

Material body: Stainless Steel 316L



Technical data type CO:

Ex mark: $\text{II 2 G Ex d IIC T6 Gb}$ (for boxes with max. volume of 62.9 dm³)

$\text{II 2 G Ex d IIB+H2 T6 Gb}$ (for boxes with max. volume of 160.6 dm³)

Ambient temperature: $-60^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

Degree of protection: IP64 - Drain and breathing valves IP66 when closed, IP64 when open

Material body: Stainless Steel 316L

Windows

Technical data:

Ex mark: $\text{Ex II 2 G Ex d IIC Gb}$

$\text{Ex II 2 D Ex tb IIIC Db}$

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$

optional temperature: $-50^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

Degree of protection: IP66

Material body: Aluminium light alloy

Material glass: Thermoresistant glass

Only enclosures whose cemented window joints are still mechanically support once a door or lid is opened may be used in order to comply with Clause 6.1.2 of 60079-1 Ed 7"

This list contains electric component, which can be built in an Ex d cabinet.

Earth leakage circuit breakers - Circuit breakers - AC contactors and DC contactors -
Analog instruments - Digital instruments - Analog or digital controls - Amplifiers - Barriers -
Capacitor - Frequency inverters - Rectifiers - Transmitters - Terminals - Connectors -
Ammeters, Voltmeters, Hour counters etc. - Motor protection switch - Motor starters - Thermal relays -
Transformers - Ignition transformers - PLC's - LED's, lightbulb, Fluorescent lamp, Xenon lamp etc.
Printed circuit - Relays - Auxiliary relays - Timers - Safety relays, etc
Switching materials like burner automat etc.
Select roller - Separators - Switches - Pushbuttons - Signallights etc.
Fuses, fuseholders - Counters, Numerators etc.
Thermostat - Hydrostat - Heaters etc.
Solenoids - Resistors - Ballasts - Power supplies - Earthbars, Power bars, Terminals and Earth terminals
Display's or HMI's
Wiring, Wiring duct, Tubing, Dinrails and Mounting rails - Screws bolts and nuts - Cabling - etc..

Notes

- No fans will be fitted and devices with fans will have them disabled
- Only single non-array LEDs will be used as indicator of backlight
- At least 40% of each cross sectional area remains free and areas aggregated will no less than 12.5mm
- Devices enclosures must be in plastic (no metal allowed)
- IECEx certification is only possible when the empty box has IECEx certified
- Batteries >1.5Ah or >1% of the free volume of the enclosure may not be installed
 - Only the following connections to the cells are permitted:
 - Spot welding
 - Friction connections using a battery holder
 - Total volume of button cells used shall be no more than 2.5 cm³
 - Only primary cells are permitted
 - Cells shall be securely mounted so as not to be capable of coming loose

Remarks

1. Please note when selecting the components that the internal cabinet temperature is not outside the range of the operating temperature of the individual components.
2. For instructions of cable glands, pushbuttons etc. see the instruction manuel of these product.



Safety and Maintenance Instruction

This Safety Instruction is meant for skilled electricians and instructed personnel in accordance with national legislation, including the relevant standards and, where applicable, in accordance with IEC 60079 on electrical apparatus for explosive atmosphere. Read carefully this instruction before installation or maintenance.

1. Enclosures must be installed and maintained in accordance with all standards regarding electrical installations in hazardous areas classified for explosive gas and/or dust atmospheres.
2. Avoid any dust accumulation.
3. The boxes must not be operated in zone 0 hazardous areas.
4. Ambient temperature, maximum voltage and maximum current must not exceed mentioned values on the tagplate .
5. Changes of the design and modifications to the equipment are not permitted.
6. The boxes shall be operated as intended and only in undamaged and perfect condition.
7. If box or part of box is damaged, the power has to be disconnected immediately. Contact Index Elektro BV for further instructions. It is not allowed to repair the box without the written permission of Index Elektro BV.
8. Repairs may only be carried out by qualified electrician from INDEX ELEKTRO BV.
9. All operations of installation, replacement or control must not be performed when electrical circuit is alive.
10. All technical data indicated on the tag plate of the box have to be observed. Also all other information on tag plate or extra text plate have to be respected.
11. Accessories used for cable entries must meet EN 60079-0, EN 60079-1 and EN 60079-31 standards. Their minimum protection must be IP 65. In case of conical thread clean and lubricate the parts before mounting. In case of cylindrical thread clean the parts and use glue with suitable temperature rating against loosening. When gaskets are used to maintain rain tightness, be sure the same are mounted in their adequate locations.
12. All unused holes for cable entries etc., have to be closed with appropriate plugs, which are ATEX certified.
13. Handle carefully all joints parts so to avoid damaging coupling surface.
14. After each opening (at least once a year for inspection) the plain joints and bolts of Ex d box has to be cleaned and spread with silicone grease to guarantee explosion safety and mentioned IP protection .
15. If cover of Ex d box is fitted with bolts (EJB or CCF type), all bolts must be all present and completely screwed. (For tightening moment of bolts of Ex d box see the Conformity Statement). If one of these conditions is not regarded, the enclosure has to be disconnected from power supply immediately, because the enclosure is not explosion proof. In case of lost bolts we recommend to replace them with new screws in stainless steel ISO 4762 A2-70. Use screws with same diameter, pitch and length of thread.
16. If the cover of Ex d box is threaded (GUB or CCA type), the thread of the cover has to be clean and greased before mounting. Do not use excessive force or tools to mount the cover, the mounting has to be easy and smoothly, only by hand force. Be sure that the cover is mounted completely to the surface of the Ex d box. Use the locking screw to prevent the cover from loosening.
17. Disconnect power immediately in case a coloured lens of a signalling light is damaged or broken, until a new lens has been fitted.
18. All Ex d enclosures with external earth bolt must be connected to earth with an external earth conductor with adequate cross section (at least 4 mm²).
19. Only fixed shifted cables may be imported. An appropriate strain relief for the cable has to be guaranteed. If used in areas with flammable dust, only ATEX/IECEx tested cable and wiring lead-ins with a minimum ingress protection of IP6X may be used.



20. If an earth strip with terminal clamps is used (instead of earth terminals), each terminal clamp may accept two earth wires up to 6 mm². If only one earth wire is connected, this must be bent into a loop, so that the terminal clamp exerts an even contact pressure.
21. Be sure when mounting Ex d box, a minimum distance from all flameproof joints to any obstacle is observed, in order to assure proper function of flameproof joint. Distance for IIA situations 10 mm, for IIB situations 30mm and IIC situations 40mm.

Notes:

- No fans will be fitted and devices with fans will have them disabled
- Only single non-array LEDs will be used as indicator of backlight
- The components may be mounted in any configuration, provided that a free space of at least 20% for IIB and 40% for IIC boxes is present in every cross section areas aggregated will no less than 12.5 mm
- Device enclosures must be in plastic (no metal allowed)
- A copy of the certificates for all certified parts shall be included with each piece of equipment
- IECEx certification is only possible when the empty box has IECEx certified
- Only button cells may be used in the enclosures and their total volume may not exceed 2,5 cm³
- The maximum power of the enclosures is specified on the respective certificate and shall not be exceeded. The certificates for the enclosures used are shown on page 3 of this document

If drain breather valve is fitted:

- The ambient temperature shall be no higher than +60°C
- The free volume is limited to 100 dm³ for gas group IIC and 157 dm³ for gas group IIB+H2 by using Cortem drain breather
- The free volume is limited to 62.9 dm³ for gas group IIC and 160.6 dm³ for gas group IIB+H2 by using Ribco drain breather.

Command and signalling units

- The free volume is limited to 62,9 dm³ for gas group IIC and 160,6 dm³ for gas group IIB+H2 if the DP/DFP or RS/RX units are fitted.
- Command and signalling units type DP/DFP and RS/RX are suitable for an ambient up to +80°C
- The free volume is limited to 2 dm³ for DP/DFP and RS/RX command and signalling unit components whose width of cylindrical joints is 19 mm.

When Exi devices are used :

- intrinsically safe parts are included in the enclosure, the clearances between non-intrinsically safe and intrinsically safe connections and circuits shall be at least 50 mm or according to IEC/EN 60079-11 clause 6.2
- The devices must be in plastic enclosure with certificate number.
- Only active intrinsic safety devices may be installed in the enclosures and will be de-energised by a thermostat when internal ambient is within 5°C of their "worst case" ambient
- The max. current off the thermostat is always 3/2 of the required rate.

Special condities for safe use (condition of certification)

- For enclosure types INDEX.C.CT.XXX flamepath retaining screws shall be A2-70
- For enclosure types INDEX.B.CT.XXX flamepath retaining screws shall be A2 or A4
- For enclosure types INDEX.B.CO.XXX the cover and the body shall be fixed by stainless steel screws quality A2.70
- For enclosure types INDEX.B.AS.xxx inding in 91 or 93 fasteners securing flameproof joints shall be A4-70, for all other models fasteners shall be A2-70
- For enclosure types INDEX.C.AS.XXX, INDEX.B.AS.XXX.x and INDEX.B.CO.XXX the width of flameproof joints is different to those specified in tables of IECEx-1 standard. Contact Index Elektro for more information.
- For enclosure types INDEX.B.AS.XXX.x fitted with a window, the user shall take into consideration that the windows of the enclosures only underwent an impact corresponding to an energy of a low risk at 2J
- The widths of the flameproof joints for command and signalling units type DP/DFP and RS/RX fitted are greater than those specified of rable 60079-1



Label

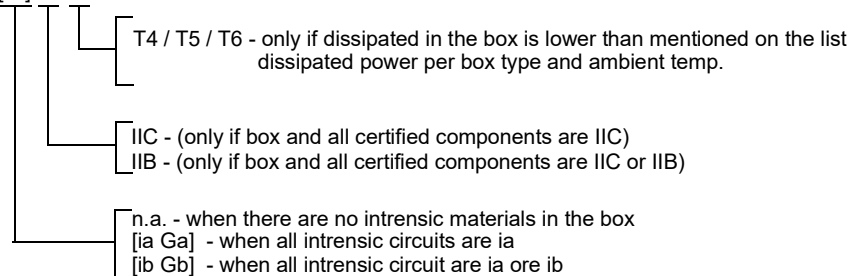
Label for all boxes

INDEX		CE 2503	
Harregatplein 15 - 3214 VP Zuidland - The Netherlands T +31(0)181 452120 - www.indexelektro.nl - Sales@indexelektro.nl			
Type		Year	2019
Ref.no.		T.Amb.	°C to °C
Volt	Max.	Protect	IP
Amp	Max.	Diss.power	Watt
II2G Ex db IIB+H ₂ T5 Gb		II2D Ex tb IIIC T80°C	
CML 18ATEX1026X		IECEx CML18.0021X	
Do not open when energised After de-energisation wait 15 min. before opening Renew silicone grease every time cover is opened Tightening bolts in cover with Nm. Make sure drain and breather valves are always closed			

If cells are present in the enclosure then there is a additional warning,
"Do not open whilst an explosive atmosphere may be present".

Type = Index Elektro types as per box type
Ref.no. = Index Elektro order number + identification number (as per list) - e.g. 200123 - 345123
Volt = Max. voltage - 1000 Volt max / generated voltage max 10 kV
Amp = Max. current - 1000 Amp
Year = Year of construction
T.Amb. = Ambient temperature - as per box type
Protect = IP range - as per box type

Ex coding : II 2 G - Ex db [xx] IIX Tx Gb



Ambient temperature standard -20°C ~ +40°C
Ambient temperature special - see mentioned information on box