

ATEX CONTROL STATIONS EJB/EJB-W



SICCIS ATEX EJB control stations are manufactured according to customer specifications for use in hazardous areas. Depending on the application area, the control stations are designed with the type of protection "Increased safety".

EJB series boxes can accommodate electrical devices in accordance with current regulations Directive 2014/34/EU and IEC 60079-0:2012; IEC 60079-1:2014; IEC 60079-31:2014.

SICCIS EJB control boxes are manufactured using copper free aluminum alloy (UNI 4514). The walls thickness allows entries according to UNI 6125 – ANSI B2.1 NPT. They have the possibility of attaching internal and external earthing screws.

Threaded holes in the back; non-penetrating into the interior.

They are operated by external elements that can be mounted on the door of the control stations (check maximum number of items according to each model): push buttons, emergency stop push buttons, switches, displays, lamps, etc.

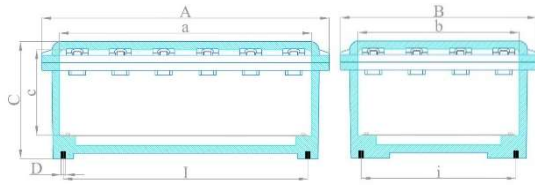


Technical Specifications

Certificate	AR16ATEX149
Marking of protection	IIB2G Ex d IIB+H2 T3/T4/T5/T6 Gb IIB2 (1-2) G Ex d [Ex ia ib] IIB+H2 T3/T4/T5/T6 Gb IIB2D Ex tb IIIC T95°C...T195°C Db IP65/66
Category	G; D
Type of protection	Ex-d IIB+H2
Installation	1 - 2 - 21 - 22
IP	IP65-66
Material	Body: Aluminum RAL7001 (other options on demand) External Screws: Stainless Steel

EJB/EJB-W CONTROL STATIONS

EJB-2



Material Body: Aluminum RAL7001
External Screws: 8, stainless steel

Weight 7.2 Kg

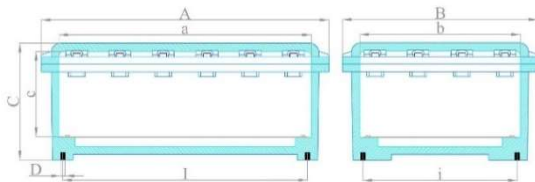
Max. items on door 6

Dimensions (mm)								
A	a	B	b	C	c	D	I	i
255	200	185	130	160	130	M8	200	130

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	8	7	5	2	2	1
Short side	4	3	2	1	1	1

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	86	110	141	181
T _{amb} -40°C, +60°C	57	74	110	134
T _{amb} -40°C, +80°C		50	95	117

EJB-3



Material Body: Aluminum RAL7001
External Screws: 10, stainless steel

Weight 10,86 Kg

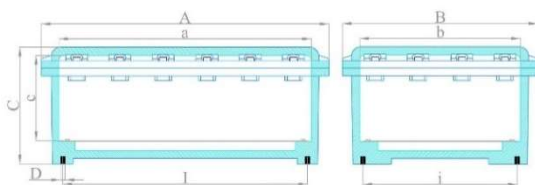
Max. items on door 8

Dimensions (mm)								
A	a	B	b	C	c	D	I	i
320	260	210	150	205	165	M8	260	150

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	10	8	7	6	2	1
Short side	5	4	3	1	1	1

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	101	130	167	214
T _{amb} -40°C, +60°C	68	88	130	159
T _{amb} -40°C, +80°C		59	113	138

EJB-4



Material Body: Aluminum RAL7001
External Screws: 12, stainless steel

Weight 15 Kg

Max. items on door 14

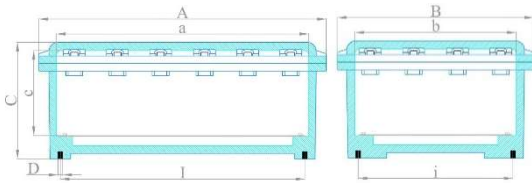
Dimensions (mm)								
A	a	B	b	C	c	D	I	i
370	310	260	200	210	165	M8	305	195

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	12	10	8	5	3	2
Short side	6	6	4	2	1	1

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	144	185	237	305
T _{amb} -40°C, +60°C	96	125	185	226
T _{amb} -40°C, +80°C		84	160	196

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EJB-6



Material Body: Aluminum RAL7001
External Screws: 16, stainless steel

Weight 25,8 Kg

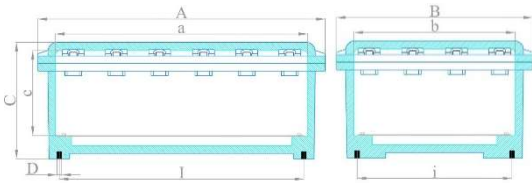
Max. items on door 24

Dimensions (mm)								
A	a	B	b	C	c	D	l	i
485	420	325	260	225	180	M10	408	255

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	16	14	10	6	3	2
Short Side	10	8	6	3	2	1

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	179	230	295	379
T _{amb} -40°C, +60°C	119	155	230	281
T _{amb} -40°C, +80°C		105	199	244

EJB-8



Material Body: Aluminum RAL7001
External Screws: 18, stainless steel

Weight 38 Kg

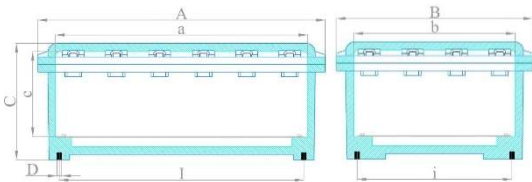
Max. items on door 30

Dimensions (mm)								
A	a	B	b	C	c	D	l	i
520	450	390	320	275	220	M10	435	300

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	24	18	14	10	4	2
Short Side	15	10	8	5	2	2

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	195	250	321	412
T _{amb} -40°C, +60°C	130	169	250	306
T _{amb} -40°C, +80°C		114	217	265

EJB-10



Material Body: Aluminum RAL7001
External Screws: 20, stainless steel

Weight 50 Kg

Max. items on door 40

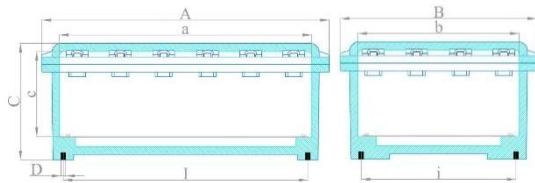
Dimensions (mm)								
A	a	B	b	C	c	D	l	i
630	550	430	350	315	240	M10	535	340

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	34	25	19	14	5	4
Short Side	21	18	12	8	4	3

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	265	340	436	560
T _{amb} -40°C, +60°C	177	230	340	416
T _{amb} -40°C, +80°C		155	295	360

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EJB-10A



Material Body: Aluminum RAL7001
External Screws: 20, stainless steel

Weight 49,8 Kg

Max. items on door 40

Dimensions (mm)								
A	a	B	b	C	c	D	I	i
630	550	430	350	245	170	M10	535	340

Side Inputs						
	M20 NPT 1/2"	M25 NPT 3/4"	M32 NPT 1"	M40 NPT 1 1/4"	M50 NPT 1 1/2"	M63 NPT 2"
Long side	27	20	16	10	4	3
Short Side	18	14	10	6	3	2

Power Dissipated (W)				
	T6	T5	T4	T3
T _{amb} -40°C, +40°C	234	300	385	494
T _{amb} -40°C, +60°C	156	203	300	367
T _{amb} -40°C, +80°C		137	260	318

MOUNTING ELEMENTS

SWITCHES AND CONTROLS



EMERGENCY PUSH BUTTONS



PUSH BUTTONS



PILOTS



WINDOWS



STAINLES STEEL SCREWS



CONNECTION ACCESSORIES

CABLE GLANDS



PLUGS



GROUNDING PLATES

