

en

01 - 2020

 **EJB SERIES**  
FLAMEPROOF ENCLOSURES



## **NOTE**

**OFFICINE  
MECCANICHE  
**M.A.M.****



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## DESCRIPTION



The EJB series enclosures are designed for the installation in the industrial plants with potentially hazardous atmosphere classified as Zone 1 and Zone 2 for gases and Zone 21 and Zone 22 for combustible dusts.

The EJB series enclosures are presented with 10 different size options, which allow to house various types of automation, measurement and control components.

Indoor&outdoor installation of the terminal blocks, relay and electrical devices are the typical applications. The Enclosures can be equipped with a window, where a visual inspection is needed.



## SPECIFICATIONS

Conformity	ATEX Directive ATEX2014/34/UE
Certification	ATEX - INERIS 14ATEX0056X IECEx - INE 14.0037X
Marking	I M2 Ex-db I Mb  II 2 GD Ex-db IIB+H2 T6/T5/T4 Gb Ex-tb IIIC T85°C/100°C/135°C Db IP66  II 2(1) GD Ex db [ia Ma] IMb Ex-db [ia IIA or IIB or IIC Ga] IIB or IIB+H2, T4/T5/T6 Gb Ex-tb [ia Da] IIIC T135°C, T 100°C, T 85°C Db IP66
Standards	IEC/EN: 60079-0, 60079-1, 60079-11, 60079-31
Ambient Temperature	ATEX -50°C / +60°C IECEx -50°C / +60°C
Material	Copper free Aluminum Alloy (Cu<0.1%) Stainless steel AISI 304 or AISI 316L Structural Steel "S" Series
Window Glass	Tempered Glass
IP Rating	IP66
Entries Thread	Metric ISO-262, ANSI/ASME B1.20.1 NPT, GK EN 10226-2*, G ISO-228
Screws	Stainless steel A2 quality
Surface Treatment	RAL 9022 Epoxy Painting (Standard)
Nameplate Label	Aluminium plate (For Aluminum Enclosures) Stainless Steel Plate (For Stainless Steel Enclosures)
Accessories and Special Execution: (on request)	Breathing/Drain devices Internal anti-condensation coating painting RAL 2004 Off-shore special coating painting Pushbuttons, pilot lights, mechanical operators Flame Arrestor

### NOTE

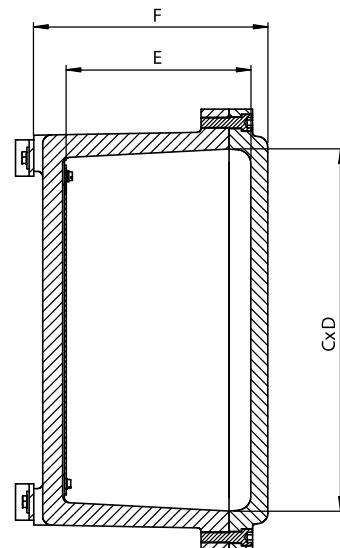
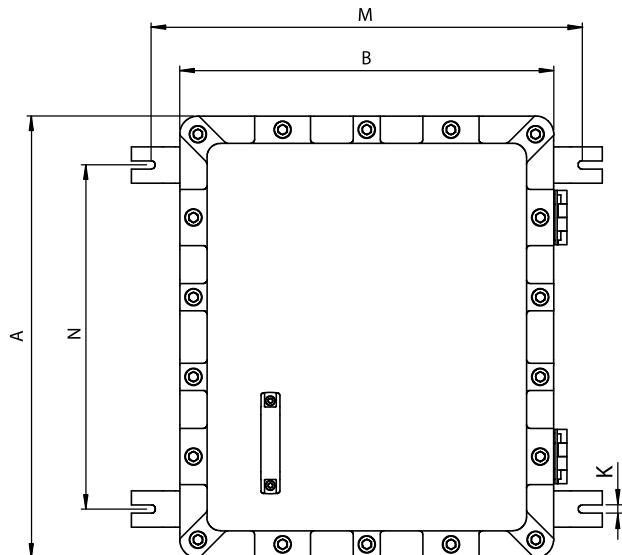
1. Standard type enclosures also include stainless steel hinges, internal & external earthing screw and stainless steel internal plate.

\* Only for ATEX



# EJB - WITH BLIND COVER

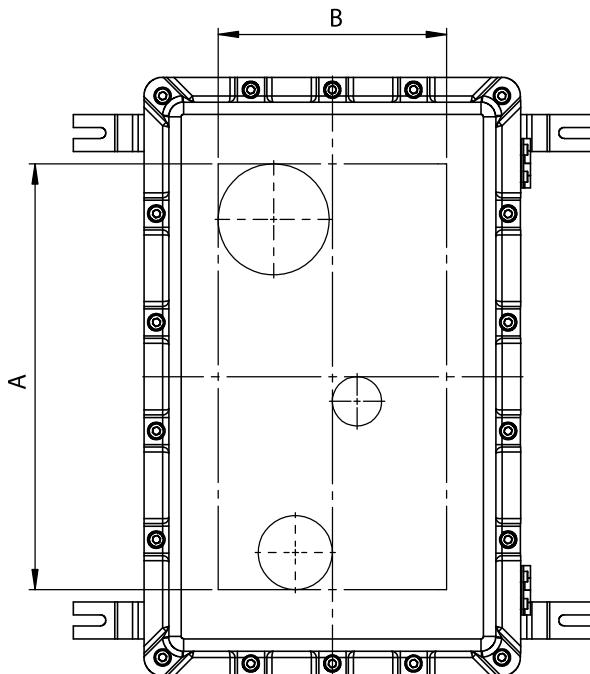
FLAMEPROOF ENCLOSURES



**EJB - DATA TABLE**

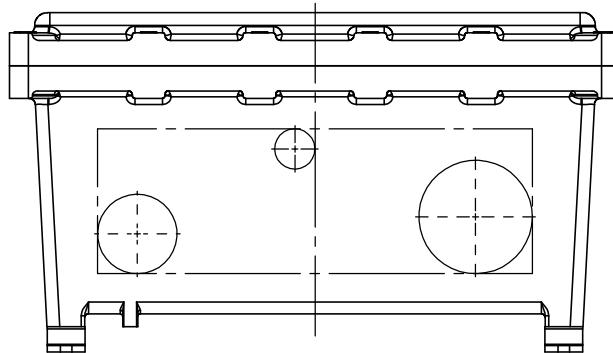
TYPE	DIMENSIONS [mm]								APPROX. WEIGHT (ALUMINUM) [Kg]	
	A	B	C	D	E	F	M	N		
<b>EJB-01</b>	310	250	244	184	153	200	276	235	M6	13
<b>EJB-02</b>	425	255	355	185	170	223	276	346	M6	20
<b>EJB-03</b>	485	305	413	233	198	249	376	395	M8	26,5
<b>EJB-04</b>	488	413	400	325	204	259	476	380	M8	40
<b>EJB-05</b>	540	475	444	379	212	272	476	410	M8	51,5
<b>EJB-06</b>	640	370	542	272	220	278	376	515	M8	46,5
<b>EJB-07</b>	600	510	500	410	225	288	516	470	M12	64
<b>EJB-08</b>	810	460	710	360	257	332	516	670	M12	90
<b>EJB-09</b>	840	615	724	499	339	413	656	705	M12	152
<b>EJB-10</b>	940	650	820	530	345	425	656	808	M12	190

Note: Dimensions can slightly differ due to casting tolerances.



TYPE	EJB W - DRILLING TABLE ( MAXIMUM NUMBER OF ENTRIES ON THE COVER )			DRILLING AREA (AxB)
	1/2"	3/4"	1"	
	M20x1,5	M25x1,5	M32x1,5	
<b>EJB-01</b>	20	12	8	200 x 140
<b>EJB-02</b>	32	18	12	300 x 140
<b>EJB-03</b>	45	28	15	350 x 180
<b>EJB-04</b>	62	36	22	330 x 270
<b>EJB-05</b>	76	46	28	360 x 300
<b>EJB-06</b>	68	43	27	480 x 210
<b>EJB-07</b>	88	54	30	410 x 320
<b>EJB-08</b>	92	60	38	600 x 250
<b>EJB-09</b>	122	86	50	600 x 380
<b>EJB-10</b>	136	100	62	700 x 420
Minimum interax [mm]	40	50	64	-

Note: Inche values are intended to use for ANSI/ASME B1.20.1 NPT, G ISO-228 and GK EN 10226-2 threads.



**EJB - DRILLING TABLE ( MAXIMUM NUMBER OF ENTRIES FOR SHORT SIDE )**

TYPE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
	M20x1,5	M25x1,5	M32x1,5	M40x1,5	M50x1,5	M63x1,5	M75x1,5	M90x1,5
<b>EJB-01</b>	8	5	3	2	1	1	1	1
<b>EJB-02</b>	8	6	4	2	1	1	1	1
<b>EJB-03</b>	15	9	6	4	2	1	1	1
<b>EJB-04</b>	24	15	9	6	4	2	2	1
<b>EJB-05</b>	30	18	11	8	5	3	2	2
<b>EJB-06</b>	20	12	8	6	4	2	1	1
<b>EJB-07</b>	32	21	12	8	5	3	2	2
<b>EJB-08</b>	28	18	12	6	6	3	2	2
<b>EJB-09</b>	60	40	24	15	12	6	5	3
<b>EJB-10</b>	63	43	26	15	9	6	5	3
Minimum interax for drilling [mm]	40	50	64	80	100	125	150	180

**EJB - DRILLING TABLE ( MAXIMUM NUMBER OF ENTRIES FOR LONG SIDE )**

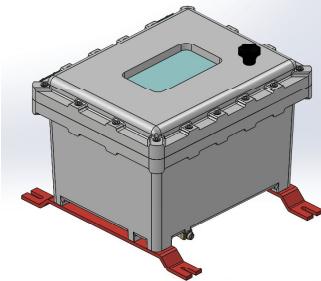
TYPE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
	M20x1,5	M25x1,5	M32x1,5	M40x1,5	M50x1,5	M63x1,5	M75x1,5	M90x1,5
<b>EJB-01</b>	14	8	5	3	2	1	1	1
<b>EJB-02</b>	17	12	10	5	3	3	2	2
<b>EJB-03</b>	30	20	11	8	5	3	2	2
<b>EJB-04</b>	32	21	12	8	5	3	2	2
<b>EJB-05</b>	36	21	12	10	6	3	3	2
<b>EJB-06</b>	44	27	20	12	9	4	3	3
<b>EJB-07</b>	42	24	15	10	7	4	3	2
<b>EJB-08</b>	60	36	29	16	12	7	5	4
<b>EJB-09</b>	96	60	38	24	17	10	8	5
<b>EJB-10</b>	105	70	42	27	15	12	8	5
Minimum interax for drilling [mm]	40	50	64	80	100	125	150	180

Note: 1. Inche values are intended to use for ANSI/ASME B1.20.1 NPT, G ISO-228 and GK EN 10226-2 threads.

2. This table is applicable for -50°C and -20°C.

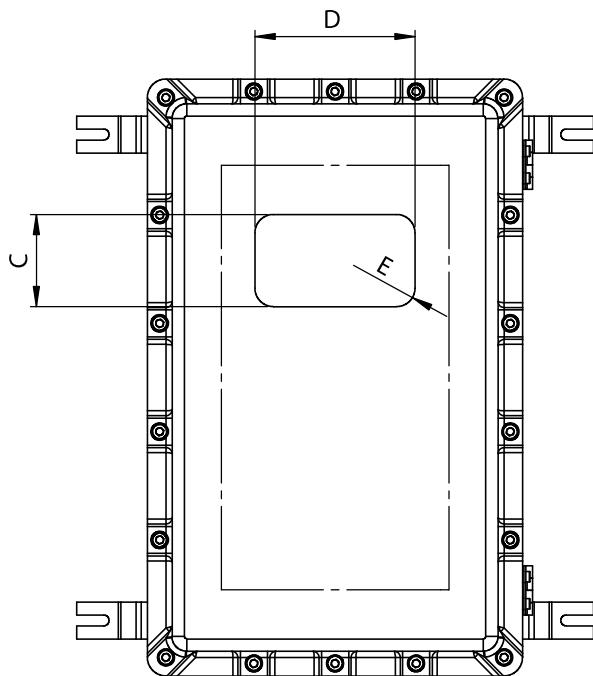


## DESCRIPTION



The EJB W series enclosures are designed for the installation in the industrial plants with potentially hazardous atmosphere classified as Zone 1 and Zone 2 for gases and Zone 21 and Zone 22 for combustible dusts.

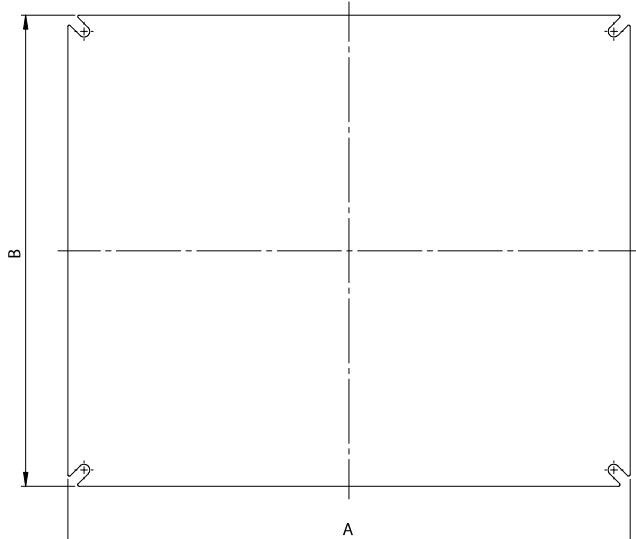
The EJB W series enclosures are used for electrical & electronic equipments, where a visual inspection is needed.



**EJB W - WINDOW OPENING**

TYPE	C [mm]	D [mm]	E [mm]
<b>F1</b>	40	70	R10
<b>F2</b>	50	200	X
<b>F3</b>	100	250	X
<b>F4</b>	75	130	X
<b>F5</b>	175	385	X
<b>FS</b>	-	-	-

*Note: Please contact technical office to learn applicable windows' size for each enclosure type.*



**EJB INTERNAL MOUNTING PLATE - DATA TABLE**

TYPE	DIMENSIONS [mm]	
	A	B
<b>EJB 01</b>	225	165
<b>EJB 02</b>	335	165
<b>EJB 03</b>	380	200
<b>EJB 04</b>	364	289
<b>EJB 05</b>	400	335
<b>EJB 06</b>	516	246
<b>EJB 07</b>	468	378
<b>EJB 08</b>	656	306
<b>EJB 09</b>	670	445
<b>EJB 10</b>	760	465

*Note: 1. Thickness of the plate is 2 mm.  
2. Earthing point can be changed according to client's request.*

- Materials**
- Stainless steel
  - Stainless steel AISI 304/316L (on request)

