

EXPLOSION GROUP IIB + H₂ EJB.. Series enclosures – Galvanized carbon steel (iron)



EJB.. series enclosures offers Ex d IIB or IIB+H₂ mode of protection. They are suitable for hazardous areas of industrial plants for indoor and outdoor applications. They can be equipped with following components:

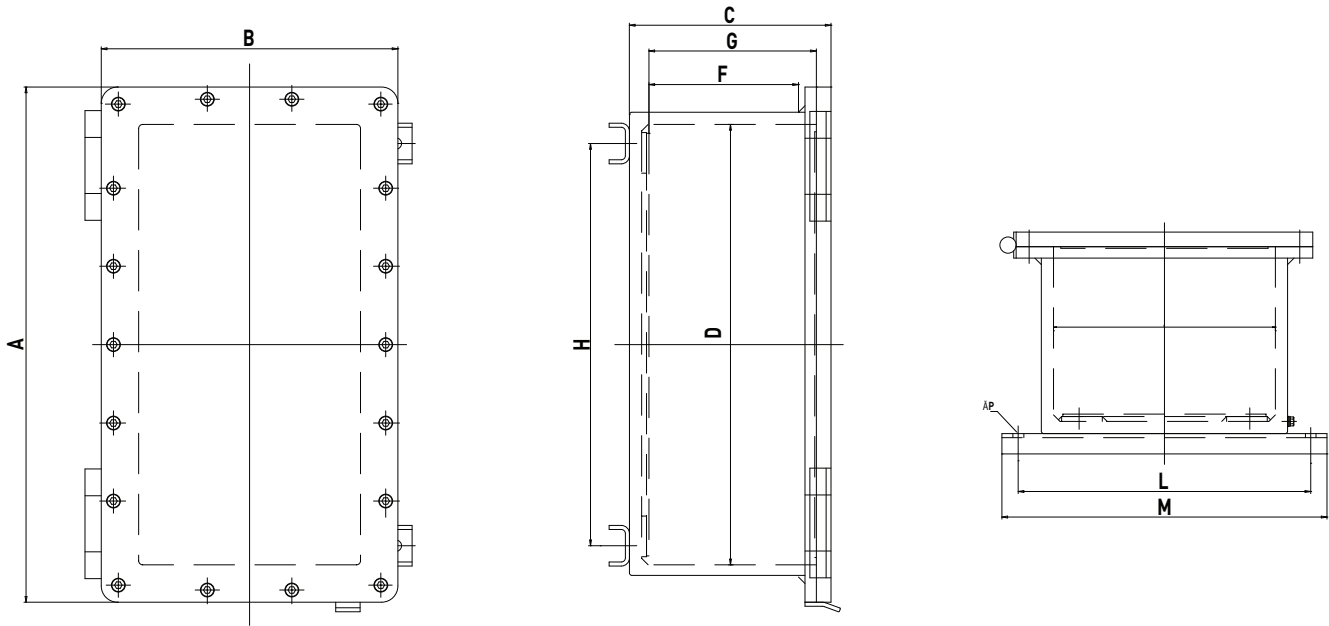
- Push buttons and mechanical operators PL.. Series;
- Rotating switches PSRC Series;
- Signalling lamps PL.. Series;
- Potentiometers;
- Rotating handles SRC-1 or SRC-10;
- Measurement instruments;
- Electric and electronic equipment;
- Windows made of tempered glass.

They can be used in different applications such as push button stations, instrument housing, lighting distribution panels, power distribution panels, heat tracing panels, motor protection, etc.

TECHNICAL FEATURES

Material	Galvanized carbon steel
IP rating	IP65, IP66, IP67 with flanged joint coated with silicone grease
Ambient temperature range	-50 °C up to +60 °C
Approvals	INERIS 00ATEX0021X TR CU IECEX INE 10.0015X INMETRO
Marking	II 2 GD Ex d IIB T(**) Gb or Ex d IIB+H ₂ T(**) Gb Ex tb IIIC T(**) Db IP65 or 66 or 67 ** T6/T85°C, T5/T100°C, T4/T135°C, T3/T200°C II 2(1) GD Ex d [ia Ga] IIB T6 Gb or Ex d [ia Ga] IIB+H ₂ T6 Gb Ex tb [ia Da] IIIC T85°C Db IP65 or 66 or 67 II 2(2) GD Ex d [ib] IIB T6 Gb or Ex d [ib] IIB+H ₂ T6 Gb Ex tb [ib] IIIC T85°C Db IP65 or 66 or 67
Surface treatment	Hot dip galvanization
Entries	Metric pitch 1.5, ANSI B1.20.1 NPT, UNI-6125
Hardware and screws	AISI316 Stainless steel external screws
Standard certificate label	Made by self adhesive UV and corrosion resistant polyester, approved by INERIS Laboratory.
Accessories available upon request	Drain/breather valve Door handle External polyurethane painting cycle Internal anticondensate painting Traffolyte/Stainless steel certificate label

Dimensions EJB Galvanized carbon steel



EJB.. Series enclosures c/w internal mounting plate, mounting brackets, hinges – Galvanized carbon steel

TYPE	DIMENSIONS												WEIGHT [KG]	AA** ATEX	AA** IECEx	EE
	A	B	C	D	E	F	G	H	L	M	ØP	R				
EJB-2	298	238	174	238	178	110	135	205	250	280	M6	20	35	12	8	160 X 220
EJB-3	412	238	177	350	176	110	136	330	250	280	M8	20	45	18	10	155 X 330
EJB-4	418	302	175	345	230	110	132	300	300	320	M8	20	55	20	12	210 X 325
EJB-5	480	300	232	405	225	160	182	350	300	320	M8	20	70	22	14	200 X 385
EJB-6	483	408	238	395	324	165	186	355	390	420	M8	20	93	28	16	300 X 380
EJB-8	634	365	254	542	273	175	204	495	340	370	M8	20	114	36	-	250 X 520
EJB-9	535	468	257	443	376	175	204	410	440	470	M10	20	118	34	18	350 X 420
EJB-11	596	505	267	496	405	175	204	445	480	510	M10	20	139	44	20	380 X 470
EJB-12	805	455	310	705	355	225	243	640	425	450	M12	20	181	54	24	325 X 625
EJB-13	832	607	314	732	507	220	236	630	580	620	M12	20	235	76	28	470 X 690
EJB-13A	832	607	400	732	507	305	322	630	580	620	M12	20	262	76	28	470 X 690

** maximum quantity of M32 operators on the lid

***mounting plate dimension

Maximum number of entries on sides A/B under ATEX directive

TYPE	EJB-2	EJB-3	EJB-3A	EJB-4	EJB-5	EJB-6	EJB-8	EJB-9	EJB-10	EJB-11	EJB-12	EJB-13	EJB-13A
M20 / 1/2"	9/7	14/7	14/7	14/9	27/13	24/18	35/16	27/24	57/21	32/27	61/28	48/32	81/54
M25 / 3/4"	9/5	7/3	7/3	7/4	14/7	14/10	29/13	24/18	46/18	21/27	40/18	27/18	54/36
M32 / 1"	4/3	6/3	6/3	6/4	12/5	12/9	18/8	12/10	29/10	14/12	32/16	23/16	35/24
M50 / 1" 1/2	3/2	4/2	4/2	4/3	5/2	5/4	7/3	9/9	14/5	6/5	16/7	9/6	18/10
M63 / 2"	2/1	3/1	3/1	3/2	4/2	4/3	6/2	4/4	12/4	5/4	12/5	8/5	14/9
M75 / 2" 1/2	-	-	-	-	3/1	3/2	4/2	3/3	5/2	4/3	6/3	6/4	6/4
M80 / 3"	-	-	-	-	2/1	2/2	3/1	2/2	4/1	3/2	4/2	5/3	5/3