

The JCE range of EJB Flameproof (EExd) enclosures are intended for use in areas made potentially hazardous by the presence of flammable liquids, gases, vapours and dusts (Zones 1, 2, 21 and 22). Certified for Groups IIA, IIB and IIB+H₂ locations.

Their function is to house a wide range of electrical equipment and devices including terminals, relays, contactors, ammeters, voltmeters and other transmitting/receiving instruments. Can be custom built to exact specification.

Materials and Finish

Body & Cover	Aluminium alloy EN AC-42000 (LM25) to BS EN 1706:1998 with less than 0.2% copper content. EJBX2 only –Cast Iron to BS1452 Grade 14
Cover Bolts	Stainless steel (18/8)
Mounting Plate	Mild steel zinc plated (passivated)
Finish	Natural. A corrosion resistant finish is also available, see options.

Earthing

All enclosures are supplied with a 6mm stainless steel (18/8) internal and external earth stud as standard. Larger internal earths can be fitted on request.

Entries and Thread Standards

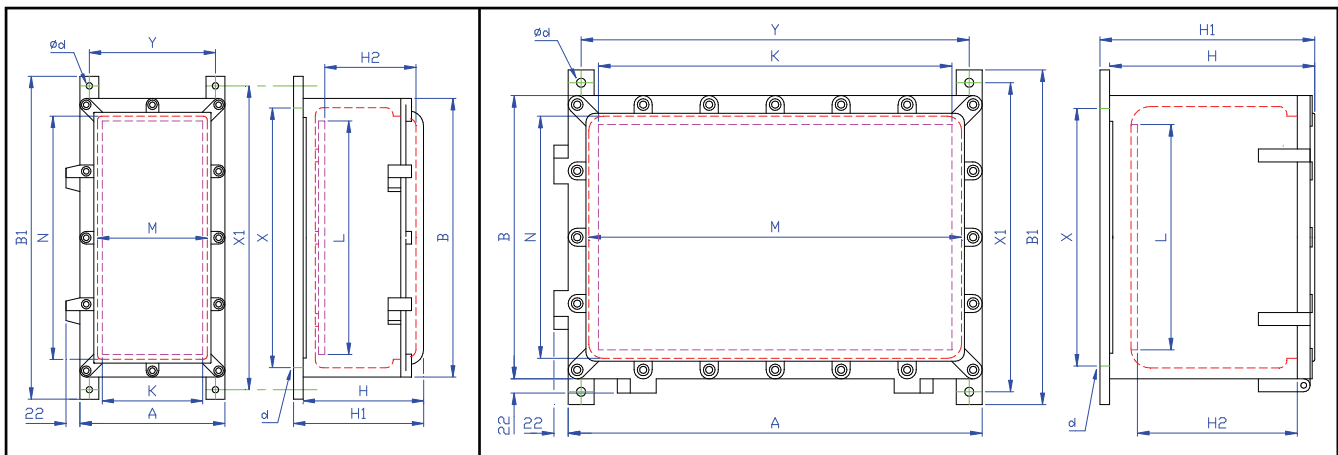
Each side of an enclosure will accommodate a varying number of tapped entries. Please provide a sketch indicating enclosure required with size and location of each entry.

Standard thread forms available are ISO Metric M20-M90 or 1/2" - 3" NPT.

Protection Grade

Style 'A' flat lid enclosures incorporate a gasket providing Ingress Protection to IP66. All other enclosures are rated IP54, but can be increased to IP66 with the application of Hylomar PL32/M. Application of a non hardening grease to flamepaths and entries is recommended.

Dimensions



ENCLOSURE	OVERALL DIMENSIONS						MOUNTING DETAILS					MOUNTING PLATE		ENCL. OPENING		WT KG
	A	B	B1	H	H1	H2	X	X1	Y	d	Ød	K	L	M	N	
Cat. No	A	B	B1	H	H1	H2	X	X1	Y	d <td>Ød</td> <td>K</td> <td>L</td> <td>M</td> <td>N</td> <td></td>	Ød	K	L	M	N	
EJBS1	180	260	330	193	208	145	230	300	150	M8	10	120	200	125	205	9
EJBS2/X2	230	440	510	191	206	120	410	480	200	M8	10	165	375	173	385	13.9
EJB1 *	440	130	200	156	171	105	100	170	410	M10	12	380	75	388	78	10
EJB2	400	200	280	197	212	130	170	240	370	M10	12	335	130	344	144	14
EJB3	350	270	350	262	277	190	240	310	320	M12	14	280	200	290	210	18.5
EJB3A	350	270	350	257	272	190	240	310	320	M12	14	280	200	290	210	18.5
EJB3R	350	270	350	222	237	150	240	310	320	M12	14	280	200	290	210	16.5
EJB3RA	350	270	350	217	232	150	240	310	320	M12	14	280	200	290	210	16.5
EJB4	430	330	410	282	297	207	290	370	390	M12	14	345	255	360	260	30
EJB4A	430	330	410	274	289	207	290	370	390	M12	14	345	255	360	260	33
EJB4R	430	330	410	225	240	150	290	370	390	M12	14	345	255	360	260	28.5
EJB4RA	430	330	410	217	232	150	290	370	390	M12	14	345	255	360	260	28.5
EJB5A	640	440	520	317	332	215	400	480	600	M12	14	565	350	576	376	64
EJB5RA	640	440	520	220	235	128	400	480	600	M12	14	565	350	576	376	55

* - Not certified IIB + H₂

Options

Hinges available EJB3A, 4A and 5A only, specify long or short side.
Fitted as standard on EJBS1, EJBS2 and EJBX2.

Chromate primed and polyester powder coated for added protection against corrosion - available on request.

Mounting Brackets available on request.

Certification

Terminal enclosures - ISSep03ATEX028

Control enclosures - ISSep03ATEX029/ISSep05ATEX077X

EExd IIB T6/Exd IIB + H₂ T6



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Catalogue Suffix Numbers:-

R = Reduced Height available on EJB3, 4 and 5.

A = Flat cover available on EJB3, 4 and 5.

C = Hinges

- Specify cable entry and thread form on ordering.
- Details of certification and conformity can be provided on request.
- All products sold subject to our terms and conditions of business.
- Health and Safety at Work Act 1974. In the UK all equipment must be installed and disposed of (as required) within the legislative requirements of the Health & Safety at Work Act 1974.