

International Safety Technology Limited

JUNCTION BOXES **EExe – Increased Safety & Weatherproof** **JB10 & JB11 Ranges**



Introduction

These GRP terminal boxes have been designed for use in hazardous and hostile environments.

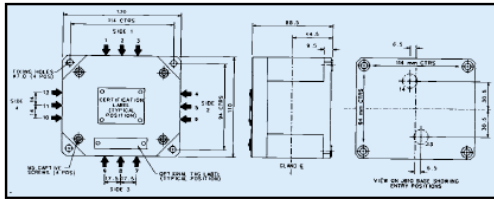
The robust design, coupled with corrosion-free GRP and high ingress protection, ensure a long life, low maintenance product.

- ★ Zone 1 & 2 use.
 - ★ EExe II T3, 4, 5 & 6.
 - ★ ATEX approved Ex II 2G.
 - ★ BASEEFA certified.
 - ★ UL listed for USA and Canada
 - Class I, Div 2, Groups A-D
 - Class I, Zone 1, AExe IIC T4 & T5
 - ★ IP66 & IP67.
 - ★ *Certified temperature –55°C to +55°C.
 - ★ GRP.
 - ★ Lightweight.
 - ★ Robust.
 - ★ Corrosion free.
 - ★ Retained cover screws.
 - ★ Optional gland continuity plate.
 - ★ Optional internal conductive coating.
 - ★ Variety of colours available.
 - ★ Optional L.E.D.
 - ★ Mixed rail mounted terminals.
- *Depending on version.

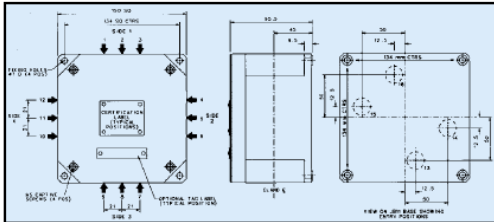
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JB10



JB11

JB10 GLAND DETAILS

GLAND ENTRIES	Maximum No. of Gland Entries Sides 1 & 3		Maximum No. of Gland Entries Sides 2 & 4		Maximum No. of Gland Entries (Base) With or Without Earth Continuity
	With or Without Earth Continuity	With Earth Continuity	Without Earth Continuity	With or Without Earth Continuity	
M16	2	2	2	2	2
M20 'O'	2	1	2	2	2
M20 'A'	2	1	1	2	2
M25	1	1	1	1	N/A
M32	1	1	1	1	N/A

JB11 GLAND DETAILS

GLAND ENTRIES	Maximum No. of Gland Entries per Side With or Without Earth Continuity	Maximum No. of Gland Entries (Base) With or Without Earth Continuity
M16	2	4
M20 'O'	2	4
M20 'A'	2	4
M25	2	N/A
M32	1	N/A

Specification

Certification: Cenelec EN50014, EN50019 & EN50028. EExe II T4, 5 & 6. Exem II T4, 5 & 6 (LED version). Certificate No. Baseefa 03ATEX0171X. **UL listed for USA and Canada:** Class I, Div 2, Groups A-D and Class I, Zone 1, EExe IIC T4 & T5. UL Listing No. E237592.

Material: Glass reinforced polyester (anti-static) stainless steel cover screws.

Finish: Self coloured black or epoxy painted to customer's specification.

Weight: JB10, 1.1 Kg. average. JB11, 1.8 Kg. average.

Certified Temperature: Standard -20°C to +55°C. Optional -55°C to +55°C (MK6/6 only).

Ingress Protection: IP66 & IP67.

Gland Continuity: Via an internal plate.

Terminal Type/Size	Max No. of Terminals		Max Voltage	Max Current	T Rating
	JB10	JB11			
SAK 2.5	12	18	550	15	T4
SAK 4	10	16	550	21	T4
SAK 6N	8	13	550	26	T4
SAK 10	5	9	550	37	T4
SAK 16	-	8	550	47	T4
HTB4/HTB6	1	1	550	37	T6
BTB4/BTB6	1	1	JB10=500 JB11=600	37	T6
MK6/6	1	1	418	26	T5
BK6	1	-	275	21	T5
UK 2.5 B-Ex	11	17	418	15	T4
UK 5-Ex	9	15	418	21	T4
UK 10-Ex	7	12	418	37	T4
UK 16-Ex	5	8	418	47	T4
AKZ 2.5	12	20	60	15	T4

All Junction Boxes will be supplied with an internal earth terminal appropriate to the terminals fitted. If more than one internal earth terminal is required the maximum number of feed-through terminals must be reduced.

Ordering Requirements The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

For standard products, available ex-stock, contact sales office for details.

Terminal Box	Certification	Terminals	External Earth	Gland Continuity	Side Cable Entries	Tag Label	Options	Finish
JB10 JB11	ATEX UL	SAK 2.5 SAK 4 SAK 6N SAK 10 SAK 16 HTB 4† HTB 6† BTB 4† BTB 6† MK6/6 BK6 UK 2.5 B-Ex UK 4-Ex UK 10-Ex UK 16-Ex AKZ 2.5† SAKK 4†	None ES0001 (6mm ² cable max) ES0003 (16mm ² cable max) *Suffix with side, e.g. R1 ES0001 x side 1	None N	None M16 M20 M25 M32 *Prefix with cable entry position (see diagram above) e.g. 1A, 2A.	None N Yes T Please specify	None Extra Internal Earth Cover Entry Base Entry Counterbored Side Entries LED Stainless Steel internal fittings Internal conductive coating *Please discuss your requirements with MEDC Application Engineers prior to ordering.	N B *W *X *Y *Z L S C
Continuity		Code		Code		Code		Code
None		N		None		N		Natural (Black)
Yes		E		Yes		T		Red
								Blue
								Other (specify)

*Suffix with number of terminals, e.g. B6 = 6 x SAK4
Please note: Mixed combinations of SAK or UK terminals can be supplied, e.g. 3 x SAK 2.5 & 4 x SAK 4.
†Not available UL

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