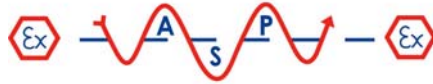


A.S.P. Electro-Technology Ltd
INFORMATION SHEET



JUNCTION BOXES - JB10 & JB11 Ranges

EExe – Increased Safety & Weatherproof.

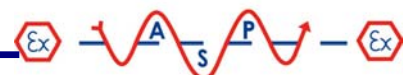


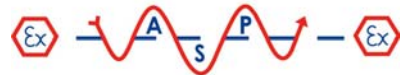
Introduction

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.
 - CENELEC approved.
 - BASEEFA certified.
 - IP66 & IP67.
 - *Certified temperature -55°C to $+125^{\circ}\text{C}$.
 - 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.





Specification

Certification:	BASEEFA EExe II T4, 5 & 6. EExem II T4, 5 & 6 (LED version). BS5501 Parts 1, 6 & 8. Certificate No. Baseefa 03ATEX0171X. Cenelec EN50014, EN50019 & EN50028.
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. JB 11, 1.8 Kg. average.
Certified Temperature:	Standard -20°C to +55°C. Optional -55°C to +55°C (MK6/6 only). Optional -55°C to +125°C (SAKK 4 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	-	418	26	T5
BK6	1	-	275	21	T5
UK 2.5 B-Ex	11	17	418	15	T4
UK 4-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
SAKK 4	-	13	550	21	T3

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	Terminals	External Earth	Gland Continuity	Features	Side Cable Entries	Tag Label	Special	Finish																																																																																																						
JB10 JB11	<table border="1"> <thead> <tr> <th>Type</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>SAK 2.5</td><td>A*</td></tr> <tr><td>SAK 4</td><td>B*</td></tr> <tr><td>SAK 6N</td><td>C*</td></tr> <tr><td>SAK 10</td><td>D*</td></tr> <tr><td>SAK 16</td><td>E*</td></tr> <tr><td>HTB 4</td><td>F*</td></tr> <tr><td>HTB 6</td><td>G*</td></tr> <tr><td>BTB 4</td><td>H*</td></tr> <tr><td>BTB 6</td><td>I*</td></tr> <tr><td>MK6/6</td><td>J*</td></tr> <tr><td>BK6</td><td>K*</td></tr> <tr><td>UK 2.5 B-Ex</td><td>L*</td></tr> <tr><td>UK 4-Ex</td><td>M*</td></tr> <tr><td>UK 10-Ex</td><td>N*</td></tr> <tr><td>UK 16-Ex</td><td>O*</td></tr> <tr><td>AKZ 2.5</td><td>P*</td></tr> <tr><td>SAKK 4</td><td>Q*</td></tr> </tbody> </table> <p>*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.</p>	Type	Code	SAK 2.5	A*	SAK 4	B*	SAK 6N	C*	SAK 10	D*	SAK 16	E*	HTB 4	F*	HTB 6	G*	BTB 4	H*	BTB 6	I*	MK6/6	J*	BK6	K*	UK 2.5 B-Ex	L*	UK 4-Ex	M*	UK 10-Ex	N*	UK 16-Ex	O*	AKZ 2.5	P*	SAKK 4	Q*	<table border="1"> <thead> <tr> <th>Type</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>None</td><td>N</td></tr> <tr><td>ES0001</td><td>R*</td></tr> <tr><td>ES0003</td><td>S*</td></tr> </tbody> </table> <p>*Suffix with side, e.g: R1 ES0001 x side 1</p>	Type	Code	None	N	ES0001	R*	ES0003	S*	<table border="1"> <thead> <tr> <th>Continuity</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>None</td><td>N</td></tr> <tr><td>Yes</td><td>E</td></tr> </tbody> </table>	Continuity	Code	None	N	Yes	E	<table border="1"> <thead> <tr> <th>Type</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>None</td><td>N</td></tr> <tr><td>LED</td><td>L</td></tr> <tr><td>Stainless Steel internal fittings</td><td>S</td></tr> <tr><td>Internal conductive coating</td><td>C</td></tr> </tbody> </table>	Type	Code	None	N	LED	L	Stainless Steel internal fittings	S	Internal conductive coating	C	<table border="1"> <thead> <tr> <th>Size</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>None</td><td>N</td></tr> <tr><td>M16</td><td>*A</td></tr> <tr><td>M20</td><td>*B</td></tr> <tr><td>M25</td><td>*C</td></tr> <tr><td>M32</td><td>*D</td></tr> </tbody> </table> <p>*Prefix with cable entry position (see diagram above) e.g. 1A, 2A.</p>	Size	Code	None	N	M16	*A	M20	*B	M25	*C	M32	*D	<table border="1"> <thead> <tr> <th>Label</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>None</td><td>N</td></tr> <tr><td>Yes</td><td>T</td></tr> </tbody> </table> <p>Please specify</p>	Label	Code	None	N	Yes	T	<table border="1"> <thead> <tr> <th>Option</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>None</td><td>N</td></tr> <tr><td>Extra Internal Earth</td><td>*W</td></tr> <tr><td>Cover Entry</td><td>*X</td></tr> <tr><td>Base Entry</td><td>*Y</td></tr> <tr><td>Counterbored</td><td></td></tr> <tr><td>Side Entries</td><td>*Z</td></tr> </tbody> </table> <p>*Please discuss your requirements with MEDC Application Engineers prior to ordering.</p>	Option	Code	None	N	Extra Internal Earth	*W	Cover Entry	*X	Base Entry	*Y	Counterbored		Side Entries	*Z	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>Natural (Black)</td><td>N</td></tr> <tr><td>Red</td><td>R</td></tr> <tr><td>Blue</td><td>B</td></tr> <tr><td>Other (specify)</td><td>S</td></tr> </tbody> </table>	Finish	Code	Natural (Black)	N	Red	R	Blue	B	Other (specify)	S
Type	Code																																																																																																													
SAK 2.5	A*																																																																																																													
SAK 4	B*																																																																																																													
SAK 6N	C*																																																																																																													
SAK 10	D*																																																																																																													
SAK 16	E*																																																																																																													
HTB 4	F*																																																																																																													
HTB 6	G*																																																																																																													
BTB 4	H*																																																																																																													
BTB 6	I*																																																																																																													
MK6/6	J*																																																																																																													
BK6	K*																																																																																																													
UK 2.5 B-Ex	L*																																																																																																													
UK 4-Ex	M*																																																																																																													
UK 10-Ex	N*																																																																																																													
UK 16-Ex	O*																																																																																																													
AKZ 2.5	P*																																																																																																													
SAKK 4	Q*																																																																																																													
Type	Code																																																																																																													
None	N																																																																																																													
ES0001	R*																																																																																																													
ES0003	S*																																																																																																													
Continuity	Code																																																																																																													
None	N																																																																																																													
Yes	E																																																																																																													
Type	Code																																																																																																													
None	N																																																																																																													
LED	L																																																																																																													
Stainless Steel internal fittings	S																																																																																																													
Internal conductive coating	C																																																																																																													
Size	Code																																																																																																													
None	N																																																																																																													
M16	*A																																																																																																													
M20	*B																																																																																																													
M25	*C																																																																																																													
M32	*D																																																																																																													
Label	Code																																																																																																													
None	N																																																																																																													
Yes	T																																																																																																													
Option	Code																																																																																																													
None	N																																																																																																													
Extra Internal Earth	*W																																																																																																													
Cover Entry	*X																																																																																																													
Base Entry	*Y																																																																																																													
Counterbored																																																																																																														
Side Entries	*Z																																																																																																													
Finish	Code																																																																																																													
Natural (Black)	N																																																																																																													
Red	R																																																																																																													
Blue	B																																																																																																													
Other (specify)	S																																																																																																													

Supplied by:

A.S.P. Electro-Technology Ltd
Specialist Suppliers of Hazardous Area Certified
Electrical Products & Instrumentation

39 London Road, Hinckley, LE10 1HQ. U.K.
Tel: +44 (0)1455 635796 Fax: +44 (0)1455 251110
Email: sales@asp-electro-tech.com Web: asp-electro-tech.com



This publication is not intended to form the basis of a contract. All the above specifications, dimensions, weights, tolerances etc are typical and may be varied or changed by the manufacturer without prior notice. A.S.P. Electro-Technology accept no liability for consequence of use.