

Exe – Increased Safety & Weatherproof



Features

- Zone 1 & 2 use.
- Exe II T4/T5/T6.
- ATEX approved Ex II 2G.
- IECEx Certified Gb.
- 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.
- Mixed rail mounted terminals.

Introduction

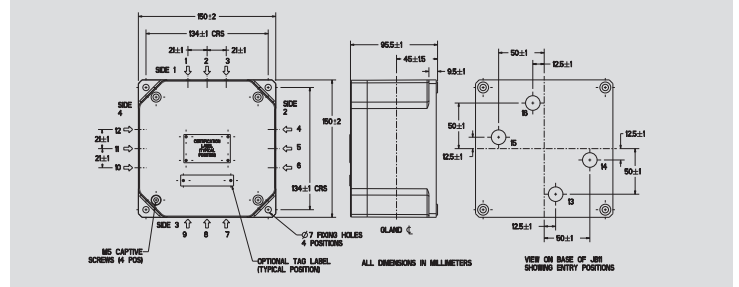
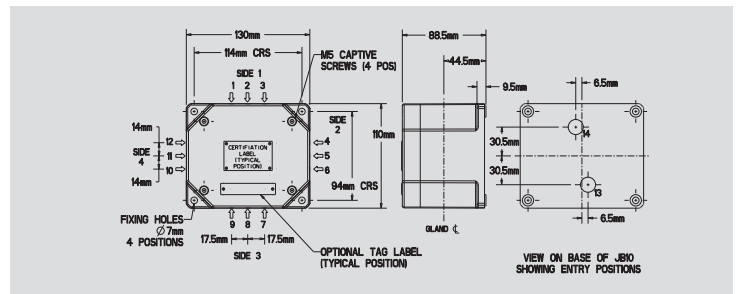
These GRP terminal boxes have been designed for use in hazardous and hostile environments.

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



Certification and Specification

ATEX:	Cert. no. Baseefa 12ATEX0039X Certified to: EN60079-0, EN60079-7 Ex II 2G, Ex e IIC T4/T5/T6 Gb
IECEx:	Cert. no. IECEx BAS 12.0029X Certified to: IEC 60079-0, IEC 60079-7 Ex e IIC T4/T5/T6 Gb
UL:	Listing No. E237592 Class I, Div. 2, Groups A, B, C & D Class I, Zone 1, AEx e IIC T4/T5
Material:	Glass reinforced polyester, stainless steel cover screws.
Finish:	Natural black or painted to customer's specification.
Certified Temp:	-20°C to +55°C.
Weight:	JB10: 1.1kg; JB11: 1.8kg.
Ingress Protection:	IP66 & IP67.
Gland Continuity:	Via an internal BZP (bright zinc plated) steel plate.



Terminal Type / Size	Max No. of Terminal		Earth Terminal	Max Voltage (V)	Max Current (A)	T Rating
	JB10	JB11				
SAK2.5	10	16	EK4	550	15	T4 (T6)
SAK4	9	15	EK4	550	21	T4
SAKK4	8	13	EK4	275	28	T4
SAK6N	7	12	EK4	550	26	T4
SAK10	5	9	EK10	550	37	T4
SAK16	-	7	EK16	550	47	T4
AK2.5	11	19	AKE2.5	60	15	T4 (T6)
UK2.5N	9	15	USLKG5N	550	15	T4 (T6)
UK5N	7	14	USLKG5N	418	21	T4
UK10N	4	9	USLKG10N	550	37	T4
UK16N	3	7	USLKG16N	550	47	T4
MK6/6	6	6	Internal Earth Stud	418*	26	T5
BK4	4	-	Internal Earth Stud	275	21	T5
BK6	6	-	Internal Earth Stud	275	21	T5

*275V if fitted with QB2 or QB4 cross connection links

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.

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 Earth Continuity	Without Earth Continuity	With or Without Earth Continuity
M16	2	2	2	2
M20	2	1	2	2
M25	1	1	1	N/A
M32	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
	M16	2
M20	2	4
M25	2	N/A
M32	1	N/A

Ordering Requirements

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

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JB10 JB11	ATEX B IECEx J UL UL	<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>MK6/6</td><td>J*</td></tr> <tr><td>BK6</td><td>K*</td></tr> <tr><td>UK 2.5N</td><td>L*</td></tr> <tr><td>UK 5N</td><td>M*</td></tr> <tr><td>UK 10N</td><td>N*</td></tr> <tr><td>UK 16N</td><td>O*</td></tr> <tr><td>AKZ 2.5</td><td>P*†</td></tr> <tr><td>SAKK 4</td><td>Q*†</td></tr> <tr><td>BK4</td><td>R*</td></tr> </tbody> </table>	Type	Code	SAK 2.5	A*†	SAK 4	B*†	SAK 6N	C*†	SAK 10	D*†	SAK 16	E*†	MK6/6	J*	BK6	K*	UK 2.5N	L*	UK 5N	M*	UK 10N	N*	UK 16N	O*	AKZ 2.5	P*†	SAKK 4	Q*†	BK4	R*	<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>(6mm² cable max)</td><td></td></tr> <tr><td>ES0003</td><td>S*</td></tr> <tr><td>(16mm² cable max)</td><td></td></tr> </tbody> </table>	Type	Code	None	N	ES0001	R*	(6mm ² cable max)		ES0003	S*	(16mm ² cable max)		<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>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> <tr><td>1/2" NPT</td><td>†M</td></tr> <tr><td>3/4" NPT</td><td>†O</td></tr> </tbody> </table>	Size	Code	None	N	M16	*A	M20	*B	M25	*C	M32	*D	1/2" NPT	†M	3/4" NPT	†O	<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>	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>Z*</td></tr> <tr><td>Side Entries</td><td></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>	Option	Code	None	N	Extra Internal Earth	W*	Cover Entry	X*	Base Entry	Y*	Counterbored	Z*	Side Entries		Stainless Steel internal fittings	S	Internal conductive coating	C	<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>Special</td><td>S*</td></tr> </tbody> </table>	Finish	Code	Natural Black	N	Red	R	Blue	B	Special	S*
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* Suffix with number of terminals eg B6 = 6 x SAK4. Terminal types
† Not available UL.

* Suffix with side, e.g. R1 = ES0001 x side 1.

* Prefix with cable entry position (see diagram above) e.g. 2B.
† UL version supplied with adaptor.

* Gland Continuity 'E' must be selected when earth continuity 'R' or 'S' is required

* Please Specify.

* Please discuss your requirements with MEDC Application Engineers prior to ordering.