






The JCE Group RANGE 9000 is an Explosion Protected/Weatherproof/Junction Box which is Sira certified under directive 94/9/EC (ATEX) for Group II, Category 2, G and D. The enclosure has been certified to give a large measure of flexibility based on Power Dissipation and is suitable for Zone 1, 2 (Gases) Zone 21 and 22 (Dusts). Product complies with standards EN 60079-0, EN 60079-7, EN 61241-1 & IEC 61241-0

Certificate Number:	SIRA 06ATEX3185	Cover Screws:	Stainless Steel captive
Protection Concept:	EEx e II T6 EEx e II T5 EEx e II T3 Ex tD A21 T85°C, T100°C & T150	Earthing Facilities:	Supplied as an optional extra 1. Earth Continuity Plate 2. Internal / External Earth Stud
Ambient Temperature:	-40°C to +40°C (T6) -40°C to +55°C (T5) -40°C to +130°C (T3)	Weight:	0.6Kg (approx)
Power Dissipation Limit:	7.2W	Cable Entries:	Standard entries are 20mm and 25mm ISO metric, 1.5mm pitch. Alternative entries are available upon request. NPT ½" and ¾". Pg 11, 13.5, 16 and 21. BS conduit ¾" and 1" or plain clearance holes.
Ingress Protection:	IP66	Terminal Blocks:	Various terminal blocks may be fitted to the enclosure see the table for the approved types and formulae for calculating the loading for specific applications.
Material Standard:	Glass Reinforced Polyester, Flame Retardant. Or Fortron PPS for 130°C ambient, when fitted with ceramic terminals.		
Finish Standard:	Matt Black.		

ENCLOSURE TERMINAL COMBINATIONS AND CHARACTERISTICS

	ENTRY POSITION		20mm	25mm
1 Way	West			9001
2 Way	West and East			9002
3 Way	West, East and South			9003
4 Way	West, East, South and North			9004
Angle	West and South			9005

TYPE	QTY	CONDUCTOR CAPACITY MM ²		MAXIMUM RATINGS		TERMINAL RESISTANCE
		MIN	MAX	VOLTS	AMPS	mΩ @ 20°C
BK3 to BK6	1	0.5	4.0	275	21	0.35
MK6/3 to MK6/6	1	0.5	6.0	418	18	0.12
SAK 2.5	10	0.5	2.5	550	15	0.35
SAK 4	8	0.5	4.0	550	15	0.30
SAK 6N	6	0.5	6.0	550	18	0.20
SAK 10	4	1.5	10.0	550	37	0.04
WDU 2.5	8	0.5	2.5	550	15	0.20
G5/3 to 6Ex	1	0.2	4.0	352	30	0.25
The terminals below may only be used under the Power Dissipation method utilising 7.2W						
WDU 4	8	0.5	4.0	690	28	0.14
WDU 6	6	0.5	6.0	550	36	0.09
RK 2.5 Ex	10	0.5	2.5	690	26	0.18
RK 2.5-4 Ex	8	0.5	4.0	690	34	0.15
RK 6-10 Ex	4	0.5	10.0	690	61	0.09
SAKK4 (Ni)	8	0.5	4.0	275	28	0.71
SAKK10 (Ni)	4	0.5	10.0	275	50	0.29
EK 2.5N	**	0.5	2.5	EARTH TERMINAL		
EK 4	**	0.5	4.0	EARTH TERMINAL		
EK10	**	1.5	10.0	EARTH TERMINAL		
SL 2.5	**	0.5	2.5	EARTH TERMINAL		
SL 4	**	0.5	4.0	EARTH TERMINAL		
SL 10	**	1.5	10.0	EARTH TERMINAL		
WPE 2.5	**	0.5	2.5	EARTH TERMINAL		
WPE 4	**	0.5	4.0	EARTH TERMINAL		
WPE 6	**	0.5	6.0	EARTH TERMINAL		

Important: In order to comply with certification requirements it is necessary to supply each enclosure fitted with a terminal block. Please detail your exact requirements. If terminal blocks are not defined each enclosure will be fitted with a 4-way block suitable for 4.0mm² conductors suitable for 28 Amps at 275 Volts.

Entry to enclosure must be by way of approved cable glands and unused entries must be fitted with approved plugs.



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INSTALLATION INSTRUCTIONS

The installer must ensure that the enclosure chosen is suitable for the field of application, which means that the marking on the certification label must correspond to the classification given to the Ex area. Also that the temperature class of the enclosure meets the respective requirements.

For further information please refer the installation instruction sheet supplied with the product.