



Ex GRP Enclosure (Range 9000)




The JCE Group Range 9000, increased safety terminal enclosures are suitable for use in Zone 1 & 2 gas hazardous areas and Zone 21 & 22 hazardous areas which contain conductive combustible dusts. These Explosion Protected / Weatherproof junction boxes can be fitted with different terminal, cable entry and earthing arrangements. Product complies with standards IEC EN 60079-0, IEC EN 60079-7 and IEC EN 60079-31.

Materials and Finish

- Body and Cover -** Glass reinforced polyester, flame retardant or forttron PPS for 130°C ambient, when fitted With ceramic terminals.
- Cover Screws -** Stainless steel captive
- Finish -** Matt black
- Earthing -** Supplied as an optional extra:
1. earth continuity plate
2. internal/external earth stud

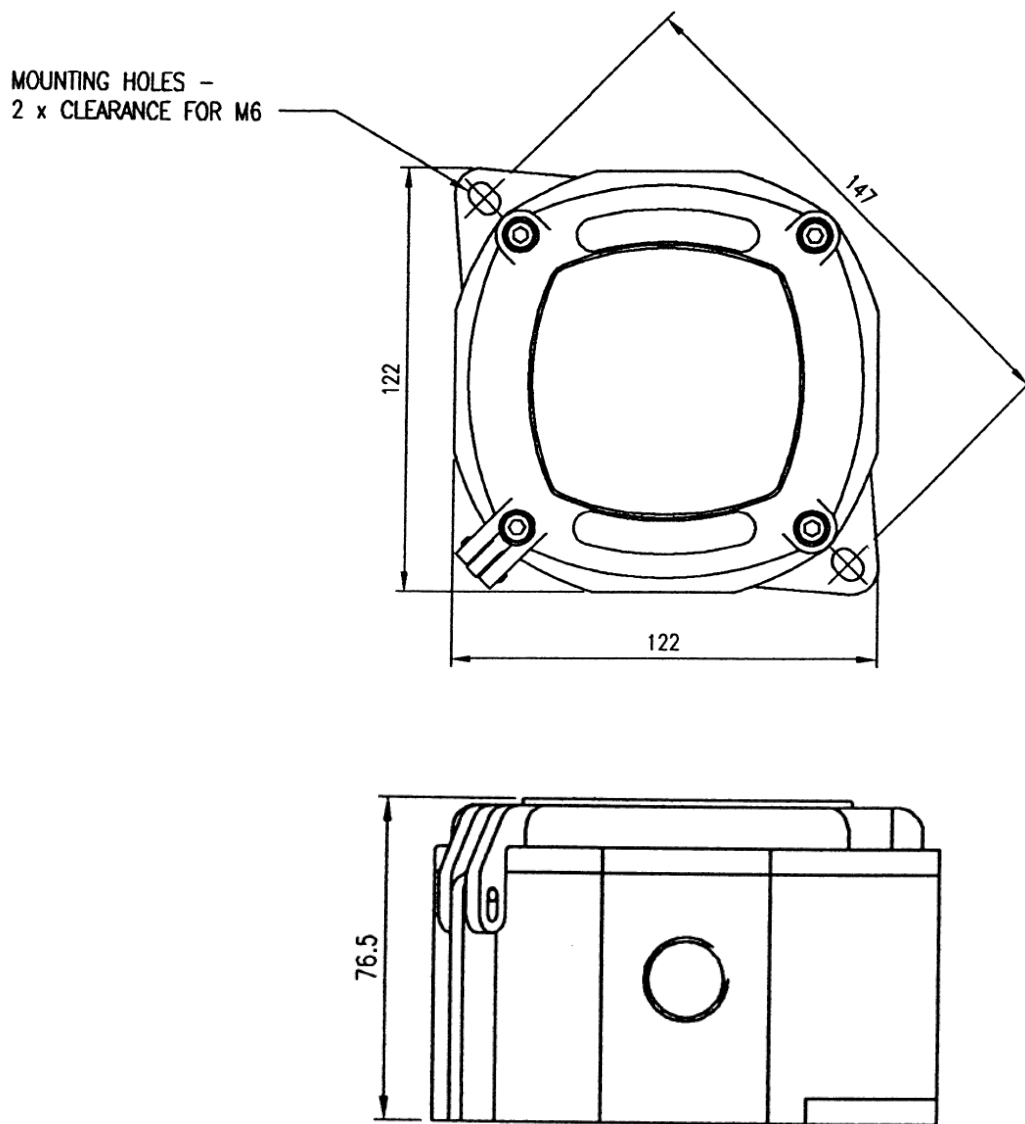
Ratings and Approvals

- Categories -**  II 2 G
II 2 D
- Codes -** Ex e IIC T6 Gb
Ex e IIC T5 Gb
Ex e IIC T3 Gb
Ex tb IIIC T85°C, T100°C, & T150°C Db
- Protection Grade -** IP66
- Certificate Nos -** SIRA 06ATEX3185X
IECEX SIR 05.0069X
- Temperature -** -40°C to +40°C (T6)
-40°C to +55°C (T5)
-40°C to +130°C (T3)

Certification:



Dimensions



Combinations and Characteristics

| ENTRY POSITION | | | 20mm | 25mm |
|----------------|-----------------------------|--|------|------|
| 1 Way | West | | 9001 | 9051 |
| 2 Way | West and East | | 9002 | 9052 |
| 3 Way | West, East and South | | 9003 | 9053 |
| 4 Way | West, East, South and North | | 9004 | 9054 |
| Angle | West and South | | 9005 | 9055 |

Combinations and Characteristics Contd.

| | | CONDUCTOR CAPACITY MM ² | | MAXIMUM RATINGS | | TERMINAL RESISTANCE @ 20°C |
|--|-----|---------------------------------------|------|--------------------|------|----------------------------------|
| TYPE | QTY | MIN | MAX | VOLTS | AMPS | mΩ RESISTANCE |
| 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 | | |

Ordering Information

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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- 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.
- We reserve the right to make alterations to the technical data dimensions, weights, designs and product available without notice.
- The illustrations should not be considered legally binding.