



FLAMEPROOF ELECTRICAL ENCLOSURES LTD

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Certificate No. 930015

RANGE 8000HV

EXPLOSION PROTECTED / WEATHERPROOF / HIGH VOLTAGE JUNCTION BOXES

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 50014, EN 50019 and EN 50281-1-1

CERTIFICATE NUMBER: Sira 02ATEX3295
PROTECTION CONCEPT: EEx e II T* T___°C**
 (* and ** see tables opposite)
AMBIENT TEMPERATURE: -45°C to +55°C (T6) 17.5W
POWER DISSIPATION LIMIT: -45°C to +45°C (T5) 30.5W
 -45°C to +60°C (T5) 17.5W
 -45°C to +40°C (T4) 44.5W
 -45°C to +40°C (T4) 59.5W
INGRESS PROTECTION: IP66
MATERIALS STANDARD: Mild Steel, Hot Dipped Galvanised
SPECIAL: Stainless Steel 316, Chemically polished
COVER SCREWS: Stainless Steel A4 80 captive
FINISH STANDARD: Hot Dipped Galvanised
SPECIAL: Zinc spray, epoxy resin or Paint (any colour)
WEIGHT: 8300 = 31Kgs 8750 = 52Kgs
CABLE ENTRIES: Are by way of removable gland plates top and bottom. We can supply entries to customer requirements or the customer can provide his own.

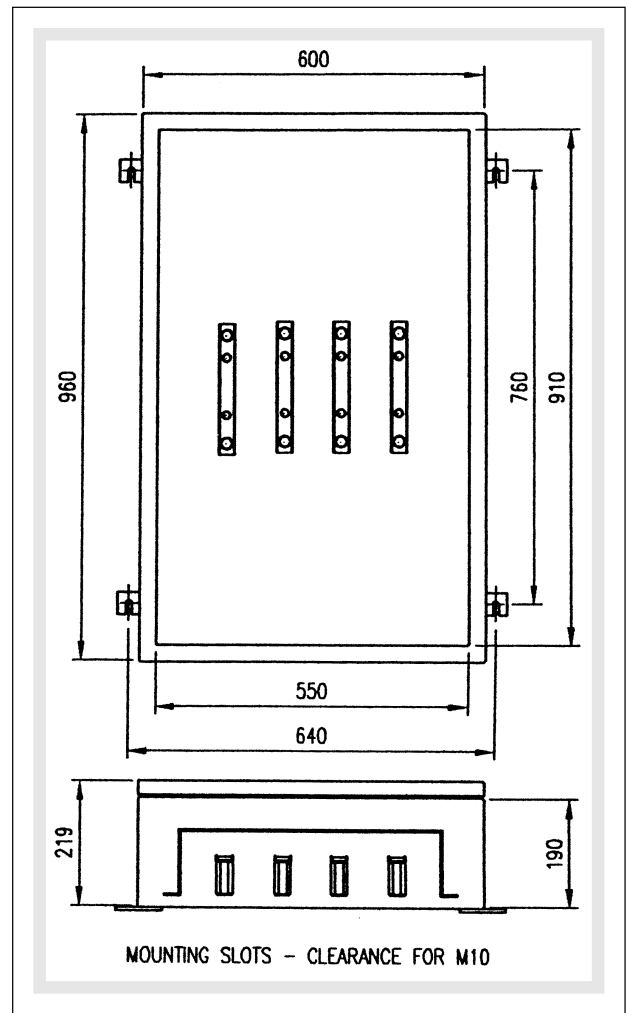
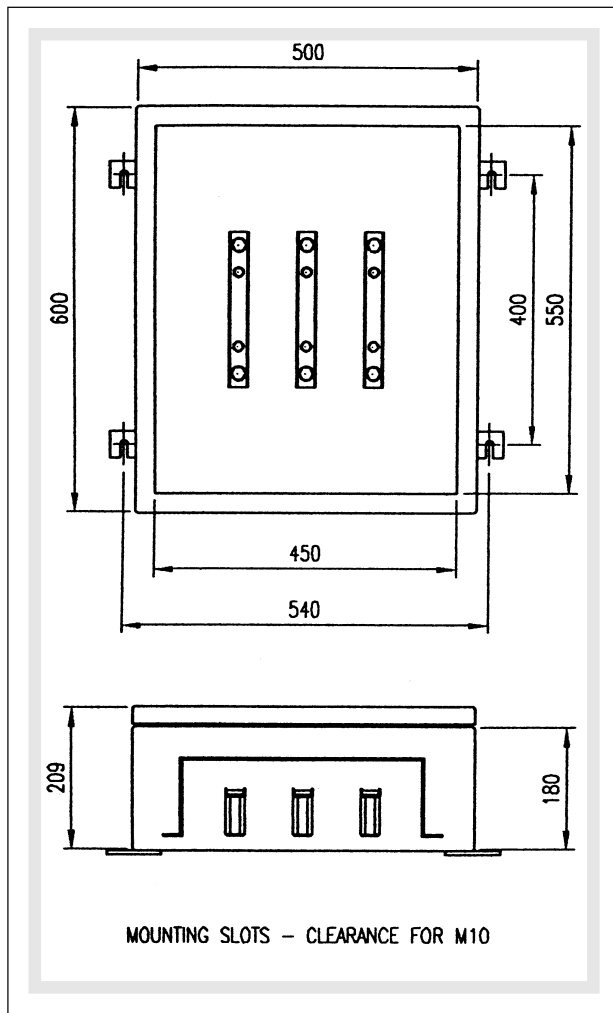


VOLTAGE: The junction box can be supplied suitable for a working voltage of 4.2kV, 6.6kV or 8.3kV.

The table below gives details of the combinations available:

| Enclosure Size | Number of Busbars | Ambient Range | Temperature Class Gases T* | Temperature Class Dusts T___°C** | Current Each Phase Amps |
|----------------|-------------------|----------------|----------------------------|----------------------------------|-------------------------|
| 8300HV | 3 | -45°C to +55°C | T6 | 76 | 250 |
| 8300HV | 3 | -45°C to +60°C | T5 | 81 | 250 |
| 8300HV | 3 | -45°C to +45°C | T5 | 81 | 330 |
| 8300HV | 3 | -45°C to +40°C | T4 | 95 | 397 |
| 8300HV | 3 | -45°C to +40°C | T4 | 115 | 460 |
| 8750HV | 4 | -45°C to +55°C | T6 | 76 | 250 |
| 8750HV | 4 | -45°C to +60°C | T5 | 81 | 250 |
| 8750HV | 4 | -45°C to +45°C | T5 | 81 | 330 |
| 8750HV | 4 | -45°C to +40°C | T4 | 95 | 397 |
| 8750HV | 4 | -45°C to +40°C | T4 | 115 | 460 |

When required splitter busbars can be fitted to accommodate two cables per phase.



A protective transparent shield is provided over the busbar arrangement

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 refer to the Installation Instruction sheet provided with the enclosures.

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