



FLAMEPROOF ELECTRICAL ENCLOSURES LTD

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ISO 9001
Registered Company

sira
CERTIFICATION



CERTIFICATE NO: 930015

RANGE 8000HV

EXPLOSION PROTECTED / WEATHERPROOF / HIGH VOLTAGE JUNCTION BOXES

ATEX Approved 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 and 2 (Gases) and Zone 21 and 22 (Dusts)

CERTIFICATE NUMBER:	Sira 02ATEX3295
PROTECTION CONCEPT:	Ex 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.

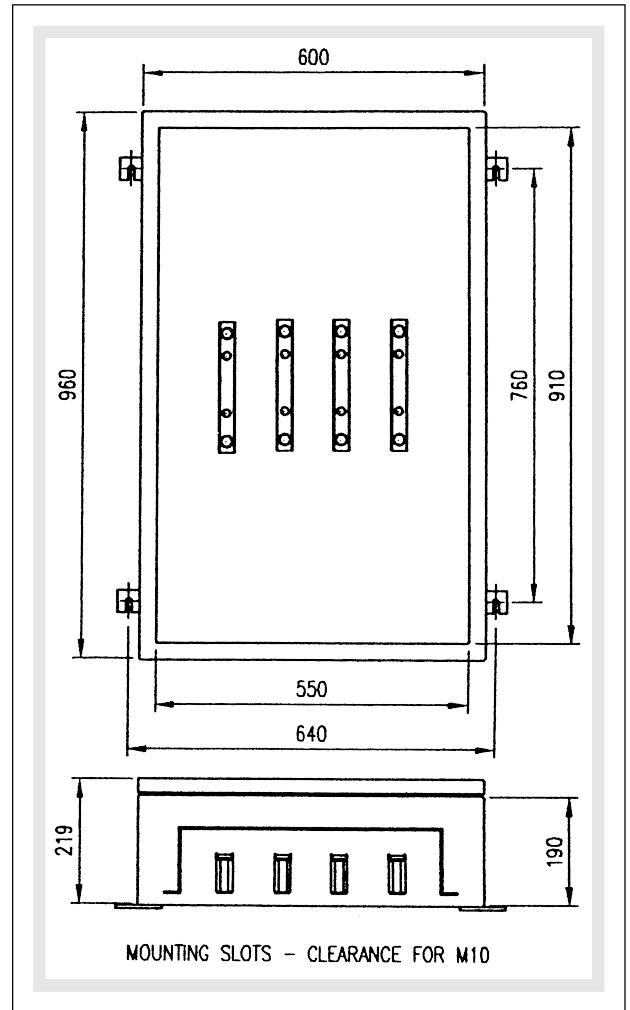
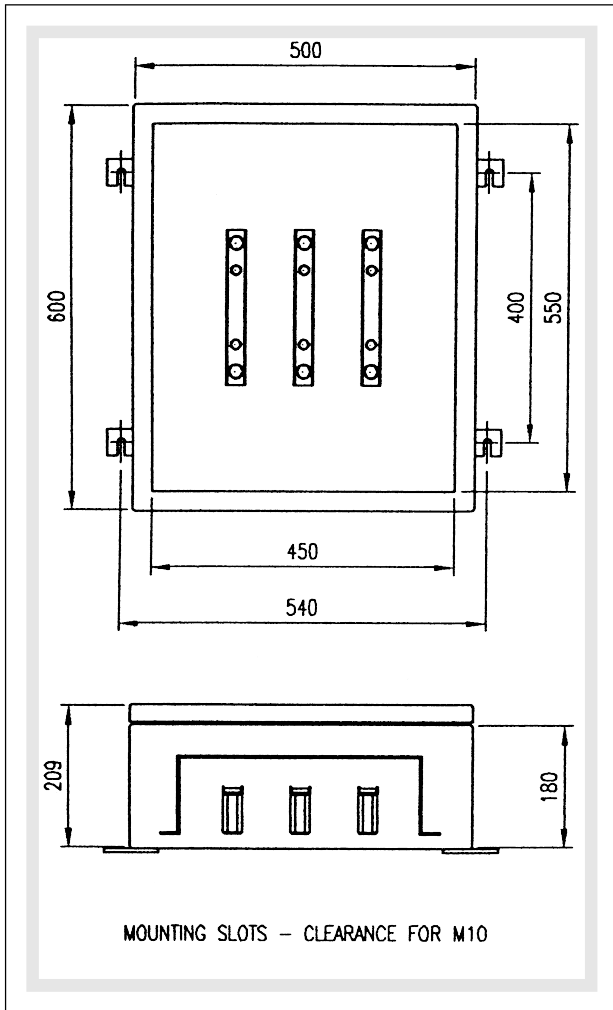


VOLTAGE: The junction box can be supplied suitable for a working voltage of 4.2kV, 6.6kV or 8.3kV.

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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