

HVJB Range

The latest in the high voltage range offering enhanced flexibility over the choice of cables, entries and cable terminations. The HVJB can accept up to 4 phase connections either straight through or bottom entry only. The unit can accommodate up to three connectors per phase.

- Fault rated 45kA for 0.2 second
- DTS-01 deluge tested enclosure
- Suitable for low temperature applications
- Heavy duty machined hinges with lift off cover pad-lockable cover



11kV



Enclosure Ratings

Product Reference*	Width (mm)	Height (mm)	Depth (mm)	Power Rating @ T4 (W)**	Maximum Voltage (kV)	Maximum Current (A)	Maximum Conductor Size (mm ²)	Maximum Ways	Weight (kg)
HVJB73(x-x)	650	950	300	259/129.5	11	980	1000***	3	70
HVJB83(x-x)	800	1250	300	346/173	11	980	1000	3	97
HVJB84(x-x)	800	1250	300	346/173	11	980	1000	4	97

* (x-x) denotes the number of connectors per phase, 1st position = top, 2nd position = bottom. For example: HVJB73(2-1) = 2 x conductors per phase top entry and 1 x conductor per phase bottom entry.

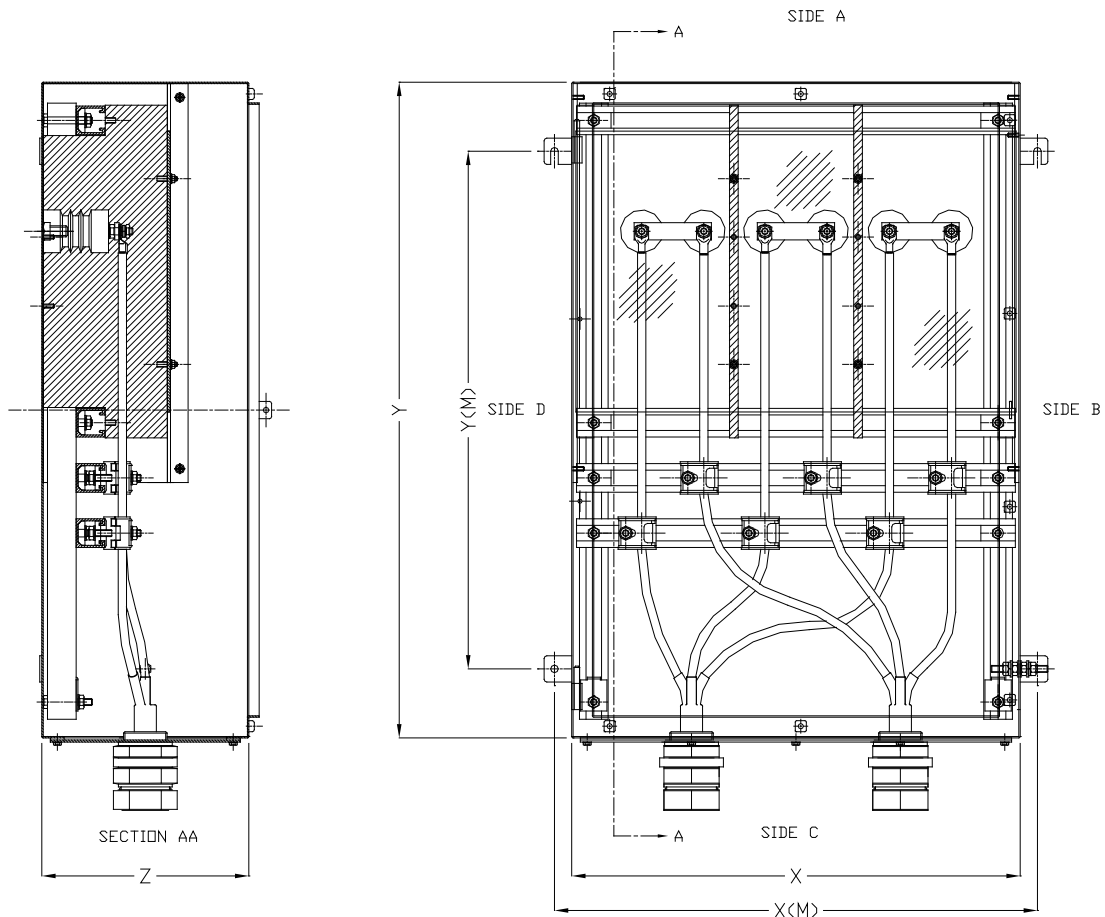
** Power rating is determined by ambient temp range: -20 to +40°C / -50 to +55°C respectively. The higher power rating can also be achieved if the enclosure is marked Ex e IIC T150°C Gb.

*** For cables greater than 300mm², it is advisable to use the HVJB8 size enclosure.

Standard Specifications

Enclosure Type	High Voltage
Ingress Protection	IP66/67 to EN60529, Type 4X, DTS-01
Impact Resistance	>7Nm
Material	2mm 316L (EN 1.4404) Stainless Steel enclosure, silicone gasket and captive 316 stainless steel fasteners, 3mm 316L (EN 1.4404) Stainless Steel gland plates
Ambient Temp Rating	-20°C to +40°C or -50°C to +55°C (refer to certificate)
Maximum Terminations	3 conductors per phase in & 3 conductors per phase out
No. of Gland Plates	Dependant upon configuration
Crimp Lugs	6mm ² to 1000mm ²
Earthing	Via studs on enclosure, door and gland plates
Mounting	Via 3mm thick external mounting straps, slotted upper strap for ease of installation
Certification	
Area Classification	Zone 1 & 21, Gas and Dust / Class 1 Div 2
Type of Protection	Ex eb (Increased Safety), Ex tb (Dust Protected)
Apparatus Coding	Ex eb IIC T4 Gb, Ex tb IIIC T70°C Db / Ex eb IIC T150°C Gb, Ex tb IIIC T110°C Db
Certificate Number	CML 16ATEX3324 & IECEX CML16.0100 / EAC: TC RU C-GB.MH04.B.00286

General Arrangement



	X	X (M)	Y	Y(M)	Z
HVJB73	650	700	950	750	300
HVJB83	800	850	1250	1050	300
HVJB84	800	850	1250	1050	300

Dimensions in mm

Options

ACH	Anti-condensation heater (dependent upon available internal dimensions)
EP	Electro-polished
RALxxxx	Epoxy powder coated (RAL colour to be specified)
BPG	Control cores terminal box mounted internally
MB	Mounting boss for eye bolts

Add the required suffix to the product reference.

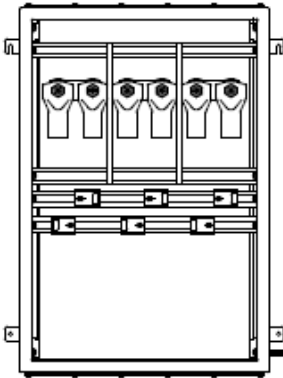
Example: HVJB73(0-3)BPG = HVJB 7, 3- way with 3 entries in bottom and internal terminal box

Accessories

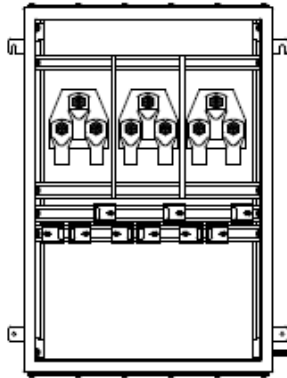
ABDM2010SS	M20 Breather drain
ABDM2510SS	M25 Breather drain
FBM12EEMS***	M12 Lifting Eye bolts in mild steel, <i>Note: Requires MB suffix option listed above</i>
FBM16EEMS***	M16 Lifting Eye bolts in mild steel, <i>Note: Requires MB suffix option listed above</i>

*** Stainless steel lifting eye bolts also available, contact sales for information

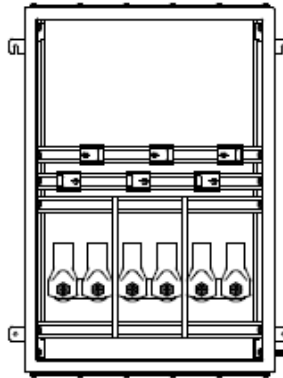
Arrangement Examples



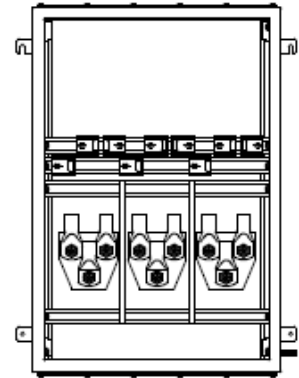
HVJB X3 (0-2)
Cables entering from
bottom only



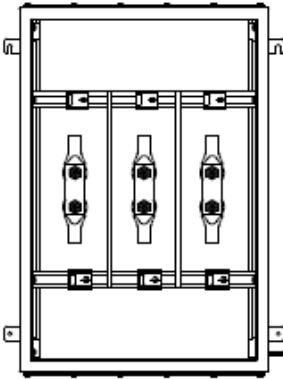
HVJB X3 (0-3)
Cables entering from
bottom only



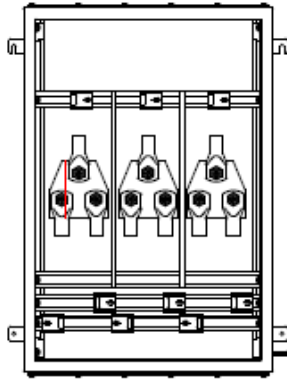
HVJB X3 (2-0)
Cables entering from
top only



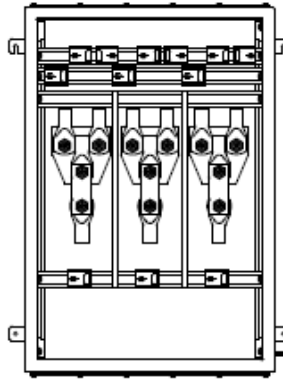
HVJB X3 (3-0)
Cables entering from
top only



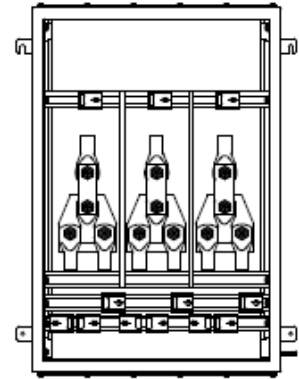
HVJB X3 (1-1)
Cables entering from
top and bottom



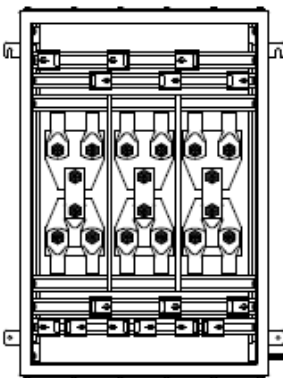
HVJB X3 (1-2)
Cables entering from
top and bottom



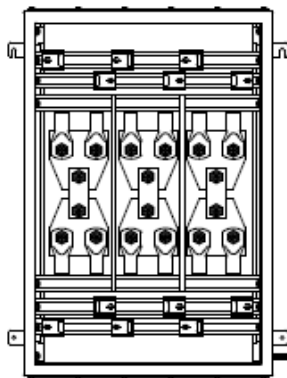
HVJB X3 (3-1)
Cables entering from
top and bottom



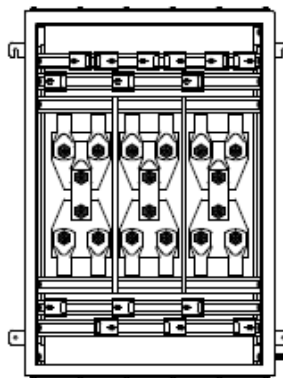
HVJB X3 (1-3)
Cables entering from
top and bottom



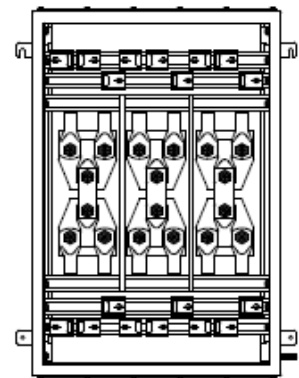
HVJB X3 (2-2)
Cables entering from
top and bottom



HVJB X3 (2-2)
Cables entering from
top and bottom



HVJB X3 (3-2)
Cables entering from
top and bottom



HVJB X3 (3-3)
Cables entering from
top and bottom

* X represents box size 7 or 8.

** HVJB 84 4 way arrangements also available.