HVJB Range

The HVJB range provides a safe solution for terminating power and combined multi-use cables within hazardous areas both onshore and offshore. Designed with a maximum system voltage of 11kV, the range can accept up to four phase connections, and up to three connections per phase. These can be done as either bottom entry or a straight-through configuration.

- Fault rated 50kA for 1.0 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

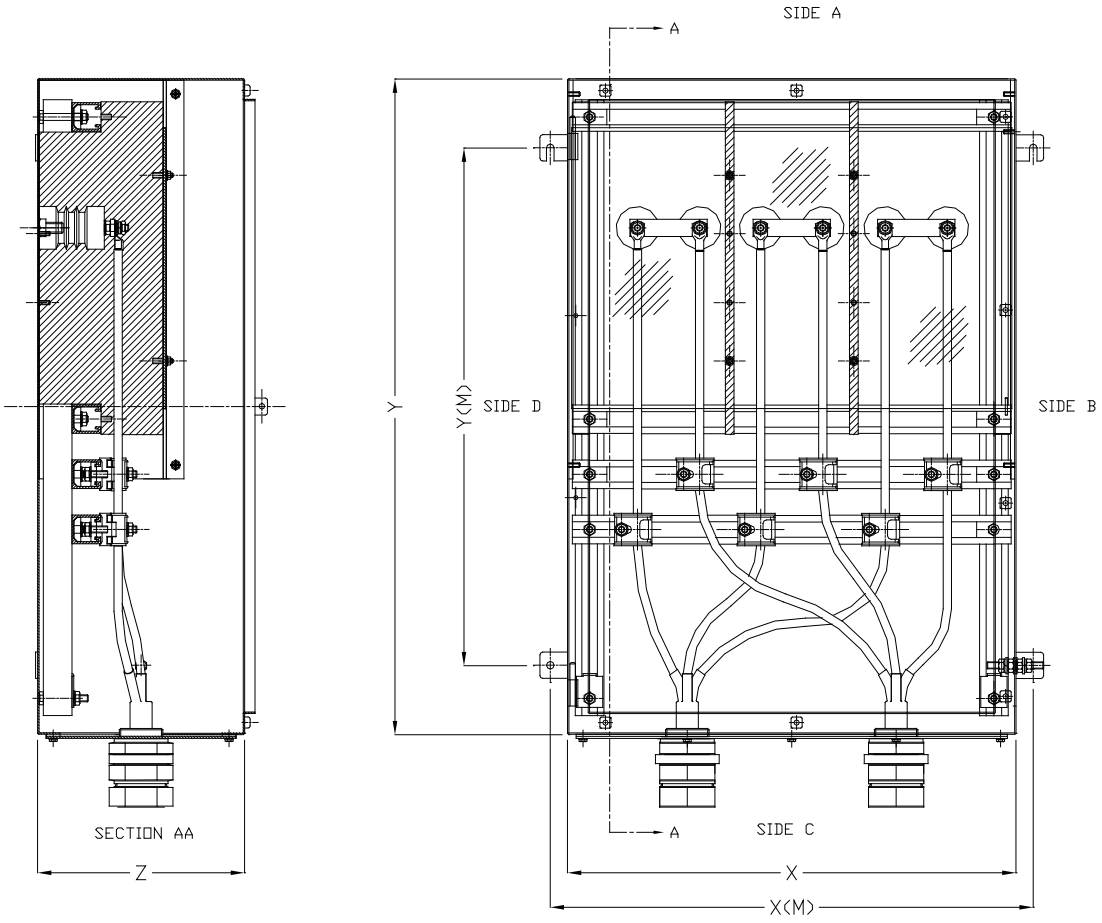
* (x-x) demotes the number of connectors per phase, 1st position = top, 2nd position = bottom. For example: HVJB73(2-1) = 2 x conductors per phase top entry and 1 x conductor per phase bottom entry.
** Maximum power dissipation rating is determined by ambient temp range and T class: refer to certificates for more details.
*** For cables greater then 300mm^2, 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 (other options available, 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
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 22UKEX3134X, CML 16ATEX3324X & IECEx CML16.0100X

Product design and specifications are subject to change without notice; please check the website for latest specifications

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
LT	Low temperature version, certified for down to -65°C ambient

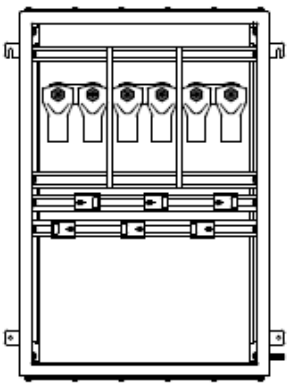
Add the required suffix to the product reference.
Example: HVJB73(0-3)BPG = HVJB 7, 3- way with 3 entries in bottom and internal terminal box

Accessories

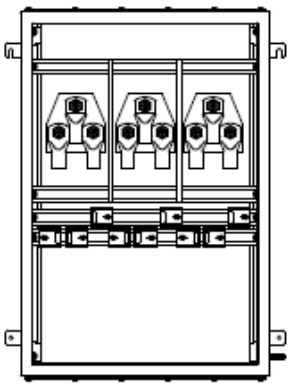
EABDM2010SS	M20 Breather drain
EABDM2510SS	M25 Breather drain
FBM12EEMS***	M12 Lifting Eye bolts in mild steel, *Note: Requires MB suffix option listed above*
FBM16EEMS***	M16 Lifting Eye bolts in mild steel, *Note: Requires MB suffix option listed above*

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

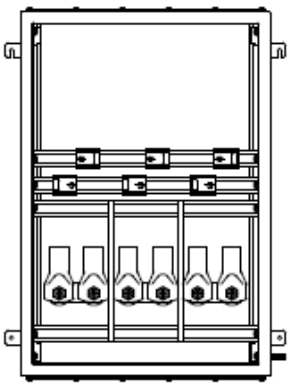
Arrangement Examples



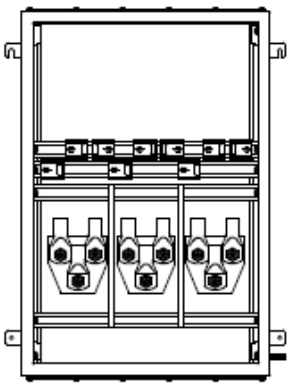
HVJB X3 (0-2)
Cables entering from
bottom only



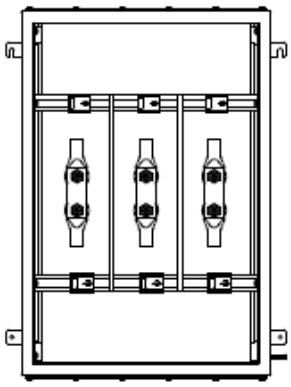
HVJB X3 (0-3)
Cables entering from
bottom only



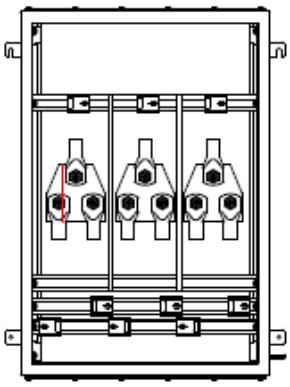
HVJB X3 (2-0)
Cables entering from
top only



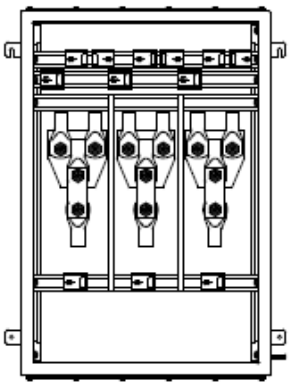
HVJB X3 (3-0)
Cables entering from
top only



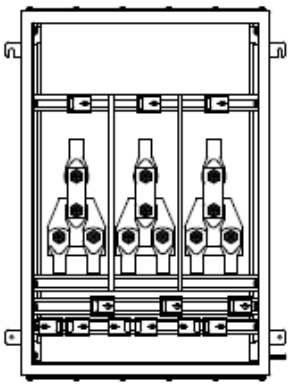
HVJB X3 (1-1)
Cables entering from
top and bottom



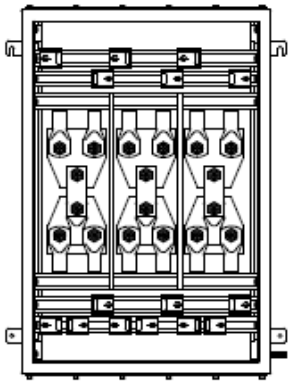
HVJB X3 (1-2)
Cables entering from
top and bottom



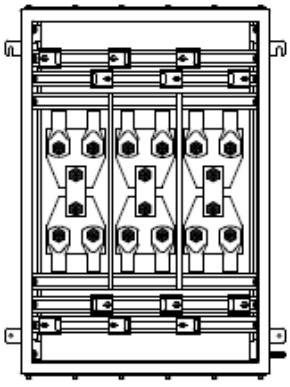
HVJB X3 (3-1)
Cables entering from
top and bottom



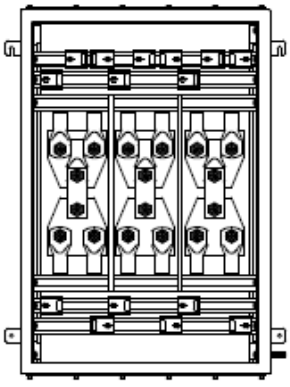
HVJB X3 (1-3)
Cables entering from
top and bottom



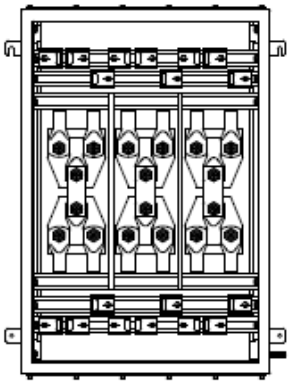
HVJB X3 (2-3)
Cables entering from
top and bottom



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.