HVJB 125 Range

11kV

The HVJB 125 provides a unique solution for the termination of offshore umbilical cables or onshore distribution systems. The power conductor compartment, designed with a maximum system voltage of 11kV, can accept up to four phase connections, and up to three connections per phase. A separate control compartment is used for terminating fibre optic or control cables.

- Work on optical fibres or control conductors without isolating HV supply
- Each compartment independently IP66
- Fault rated 50kA for 1.0 second
- DTS-01 deluge tested enclosure
- Range of paint and surface finishes



Version shown in Epoxy powder coated

Enclosure Ratings

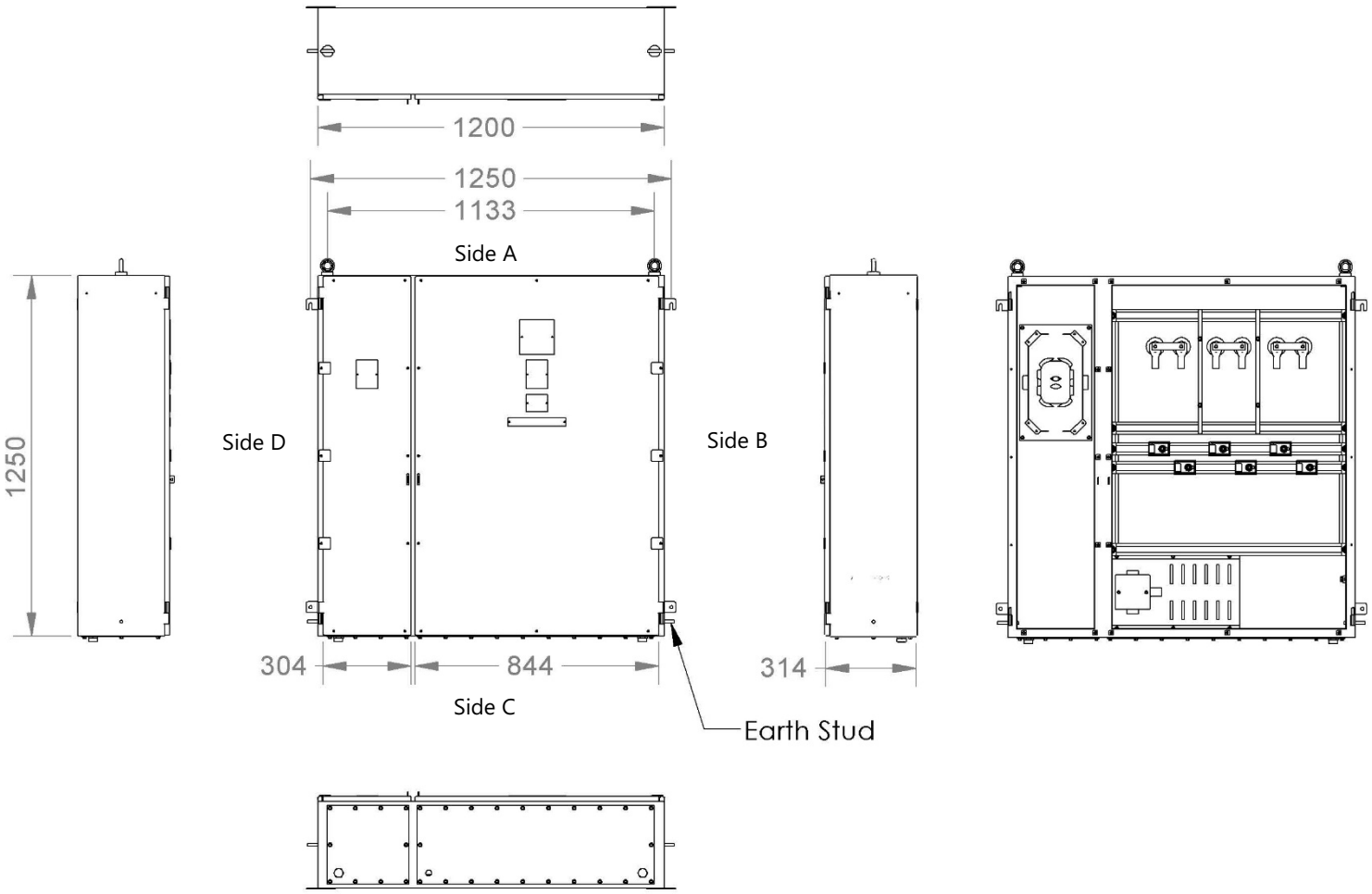
Product Reference*	Control Location	Width (mm)	Height (mm)	Depth (mm)	Power Rating @ T4 (W)**	Max Voltage (kV)	Max Current (A)	Max No. of Ways	Weight (kg)
HVJB1253(x-x)LH	Left	1200	1250	314	346/173	11	980	3	130
HVJB1254(x-x)LH	Left	1200	1250	314	346/173	11	980	4	130
HVJB1253(x-x)RH	Right	1200	1250	314	346/173	11	980	3	130
HVJB1254(x-x)RH	Right	1200	1250	314	346/173	11	980	4	130

* (x-x) demotes the number of connectors per phase, 1st position = top, 2nd position = bottom. For example: HVJB1253(2-1)LH = 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.

Standard Specifications

Enclosure Type	High Voltage
Ingress Protection	IP66/67 to EN60529, Type 4X, DTS-01
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
Crimp Lugs	16mm^2 to 1000mm^2
Earthing	Via studs on enclosure, door and gland plates
Mounting	Via external mounting feet
Certification	
Area Classification	Zone 1 & 21, Gas and Dust
Type of Protection	Ex e (Increased Safety), Ex tb (Dust Protected), Ex op is (optical radiation, inherently safe)
Apparatus Coding	Ex e IIC T4 Gb, Ex tb IIIC T70°C Db / Ex e IIC T150°C Gb, Ex tb IIIC T110°C Db
Certificate Number	HV - CML22UKEX3134X, CML16ATEX3324X & IECEx CML16.0100X FO - CML21UKEX31093X, CML14ATEX3123X & IECEx CML14.0047X

Dimensions



Options

ACH	Anti-condensation heater
EP	Electro-polished
RALxxxx	Epoxy powder coated, smooth finish (RAL colour may be specified)
MB	Mounting boss provision for eye bolts
LT	Low temperature version, certified for down to -65°C ambient

Add the required suffix to the product reference.
Example: HVJB1253(0-3)RHACH = HVJB 125, size 7, 3-way with 3 entries in bottom, right hand control compartment and anti-condensation

Accessories

ABDM2010SS	M20 Breather drain
ABDM2510SS	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