

4TJB Range

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

- Up to 45kV in Zone 1 Areas
- Available with additional fibre optic termination compartment
- DTS-01 deluge tested enclosure
- Fault rated 40kA for 1 second



45kV



Enclosure Ratings

Product Reference*	Width (mm)	Height (mm)	Depth (mm)	Power Rating @ T4 (W)	Maximum Voltage (kV)	Maximum Current (A)	Ambient Range	Weight (kg)
4TJB(x-x)	1300	1500 to 2000	500	346 288	45	980	-50°C to +40°C -50°C to +55°C	290
4TJB125(x-x)	1630	2000	500	346 288	45	980	-50°C to +40°C -50°C to +55°C	370

* (x-x) denotes the number of connectors per phase, 1st position = top, 2nd position = bottom.

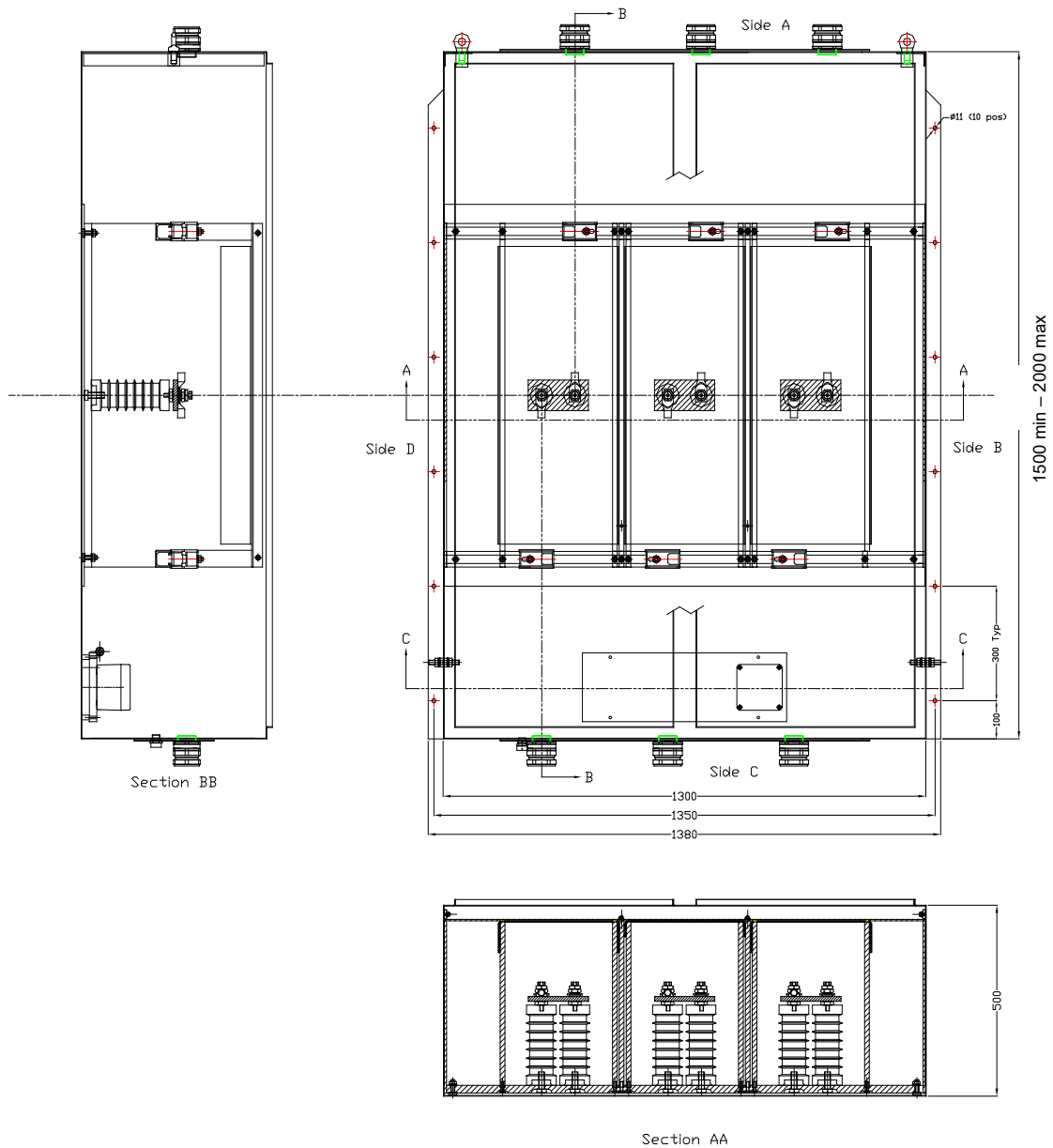
For example: 4TJB(1-1) = 1 x conductors per phase top entry and 1 x conductor per phase bottom entry.

Standard Specifications

Enclosure Type	High Voltage
Ingress Protection	IP66 to EN60529, DTS-01
Impact Resistance	>7Nm (tested above 10 Nm)
Material	2mm 316L Stainless Steel (EN 1.4404) enclosure with orbital finish, silicone gasket and captive 316 stainless steel fasteners, 3mm 316L (EN 1.4404) Stainless Steel gland plates
Maximum Terminations	Up to three connections per phase
Fault Rating	40kA for one second
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 heavy duty 3mm thick external flanges
Certification	
Area Classification	Zone 1 & 21, Gas and Dust
Apparatus Coding	High Voltage Enclosure: Ex sb IIC T4 Gb or Ex sb IIB T4 Gb Optical Signal Enclosure: Ex * op is IIC T4 Gb or Ex * op is IIB T4 Gb &/or Ex op is IIIC T70°C/T80°C Db
Certificate Number	CML 14ATEX3025X, IECEx CML 16.0111X

* where enclosure also has an electrical connections, marking will also include Ex eb marking – Refer to Ex cert for details.

General Arrangement



Options

ACH	Anti-condensation heater
EP	Electro-polished
PS	Epoxy powder coated, smooth finish (RAL colour may be specified)
PT	Epoxy powder coated, Hammer Grey
MB	Mounting boss for eye bolts

Add the required suffix to the product reference.

Example: 4TJB(1-1)PT = 4TJB with 1 x conductors per phase top entry and 1 x conductor per phase bottom entry with Hammer Grey paint finish

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