

# 4TJB Range



**THORNE &  
DERRICK**  
INTERNATIONAL

**Thorne & Derrick**  
+44 (0) 191 410 4292  
www.heatingandprocess.com

45kV

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
- DTS-01 deluge tested enclosure
- Heavy duty machined hinges with lift off cover pad-lockable cover



## 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	45	980	-20°C to +40°C	290
4TJB(x-x)	1300	1500 to 2000	500	288	45	980	-20°C to +55°C	290

\* (x-x) demotes the number of connectors per phase, 1<sup>st</sup> position = top, 2<sup>nd</sup> position = bottom. For example: 4TJB(1-1) = 1 x conductors per phase top entry and 1 x conductor per phase bottom entry.

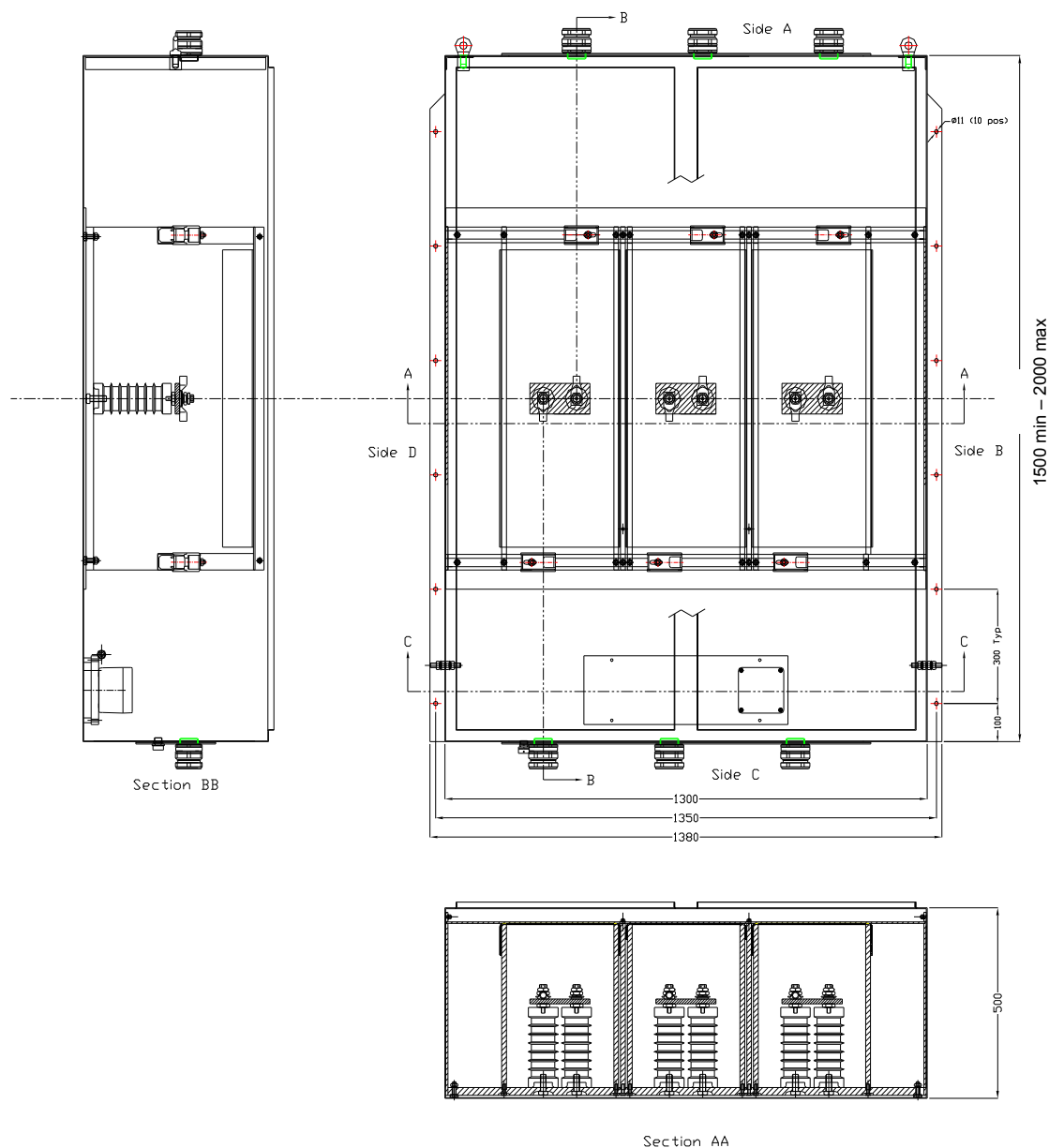
## Standard Specifications

Enclosure Type	High Voltage
Ingress Protection	IP66 to EN60529, Type 4X, 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	1 conductor per phase in & 1 conductors per phase out
No. of Gland Plates	Dependant upon configuration
Crimp Lugs	6mm <sup>2</sup> to 1000mm <sup>2</sup>
Earthing	Via studs on enclosure, door and gland plates
Mounting	Via heavy duty 3mm thick external angle frames
<b>Certification</b>	
Area Classification	Zone 1 & 21, Gas and Dust
Apparatus Coding	Ex II 2 GD T4 Gb, Ex tb IIIC T135°C Db
Certificate Number	CML 14ATEX3025X

\* Represents standard configuration. Other termination arrangements may be possible, please contact sales for further information



## 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