

# ASTA TYPE CERTIFICATE

## VERIFICATION OF TEST

**Project No:** G104669077LCS002 **Certificate No:** ASTA-TYPE-0001175

**Applicant:** Techno Electro Power Industrial W.L.L, Building No. 765, Road 4811, Block No. 948, Lhassay Area, Manama, Kingdom of Bahrain.

**Apparatus:** 230V/500V/4kV ( $U_e/U_i/U_{imp}$ ), 50Hz switchgear and controlgear assembly incorporating a single-phase horizontal busbar system with brass neutral link system, with one incoming 2P isolator unit, two 2P ELCB units, 16 SP outgoing MCB units and a brass link protective circuit.

**Manufactured By:** Techno Electro Power Industrial W.L.L, Building No. 765, Road 4811, Block No. 948, Lhassay Area, Manama, Kingdom of Bahrain.

**Test Report No:** 2007.22.02

**Designation:** 100A (10+6 Way) SPN Distribution Board

The apparatus which is representative of the designation, supplied drawings and photographs has been evaluated in accordance with:

### IEC 61439-3: Edition 1.0, 2012-02, clauses 10.2 to 10.5 & 10.9 to 10.13

Verifications with reference to the tests listed in Annex D of IEC 61439-1: Edition 2.0, 2011-08

- |   |  |
|---|--|
| 1: Strength of material and parts   | 6/7/8: No verification by testing required |
| 2: Degree of protection of enclosures                                     | 9: Dielectric properties                   |
| 3: Clearances   | 10: Temperature-rise limits                |
| 4: Creepage distances   | 11: Short-circuit withstand strength       |
| 5: Protection against electric shock and integrity of protective circuits | 12: Electromagnetic compatibility (EMC)    |
|   | 13: Mechanical operation                   |

The results are shown in the record of tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s) of this Certificate. This Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.



010

*Abdul Majid*  
.....  
*Robert Hayward*  
.....

Certification Engineer  
Abdul Majid

Certification Officer  
Robert Hayward

11th February 2022  
.....

Date