

[1]

CERTIFICATE OF CONFORMITY

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] Certificate Number: **DNV 21 ATEX 44806X** **Issue 1**

[4] Product: **ICSS Panels**

[5] Manufacturer: **Excel Marco Industrial Systems Pte Ltd**

[6] Address: **39 Ubi Road 1, #07-01
World Publications Building
Singapore 408695**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0: 2018, EN 60079-1: 2014, EN 60079-7: 2015, EN 60079-11: 2012, EN 60079-15: 2010, EN 60079-18: 2015, EN 60079-28: 2015

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

The product(s) have been subject to unit verification in accordance with the conformity assessment procedure specified in Annex IX of the Directive.

[11] This CERTIFICATE OF CONFORMITY relates only to the design and construction of the specified product. If applicable, further requirements of this Directive apply to the manufacturer and supply of this product.

[12] The marking of the product shall include the following:

 **II 3 G Ex db eb ec ic mb nA nC op is IIC T3 Gc**



Date of issue:
2023-03-10



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info

[13] **Schedule**

[14] **Certificate of Conformity No:** DNV 21 ATEX 44806X Issue 1

[15] **Description of Product**

The ICSS Panels are of Stainless Steel designed for use in Zone 2 areas comprising of equipment and components having appropriate Ex protection. The ICSS Panels are tested and assessed according to EN 60079-0, EN 60079-15 and is found to comply with the requirements. However, the protection concept of individual components remains same as per protection scheme.

Electrical Data

Supply Voltage – 230V AC, 60 Hz
Working Voltage – 24V DC

Degrees of protection (IP Code)

IP 66

Ambient temperature:

0°C to +40°C

Serial No. Covered by this Certificate of Conformity:

1. B21015-550-LCP-0010
2. B21015-550-LCP-0020
3. B21015-550-LCP-0030
4. B21015-550-LCP-0110
5. B21015-550-LCP-0120
6. B21015-550-LCP-0230
7. B21015-550-LCP-0231
8. B21015-550-LCP-0310
9. B21015-550-LCP-0410
10. B21015-550-LCP-0411
11. B21015-550-LCP-0510
12. B21015-550-LCP-0610
13. B21015-550-LCP-0620
14. B21015-550-LCP-0621
15. B21015-550-LCP-0910
16. B21015-550-LCP-1520

[16] **Report No.:** 2021-9390 Rev. 01
Project No.: PRJN-219146-2021-PA-IND

[17] **Specific Conditions of Use**

1. The cabinets shall be used in an area of not more than pollution degree 2 in accordance with EN/IEC 60664-1.
2. Vortex Cooler is not covered under the Scope of this Certificate
3. Unused terminals shall be tightened
4. The Connection/ Disconnection of Feeder Module (KFD2-EB2.R4A.B) is only permitted if no explosive atmosphere exists.
5. Any blanking plugs/entry devices shall be ATEX certified and have minimum IP66 rating
6. Operation/ Connection/ Disconnection of K-System Barrier (KFD2-SR2-Ex1.W) is only permitted if no explosive Atmosphere exists.

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
001.17043.000123.AC001	GA Drawings of ICSS Cabinet, B21015-550-LCP-0010 (7 Sheets)	05	15.09.2022
001.17043.000123.AC002	GA Drawings of ICSS Cabinet, B21015-550-LCP-0020 (7 Sheets)	05	15.09.2022
001.17043.000123.AC003	GA Drawings of ICSS Cabinet, B21015-550-LCP-0030 (8 Sheets)	04	30.07.2021
001.17043.000123.AC004	GA Drawings of ICSS Cabinet, B21015-550-LCP-0110 (8 Sheets)	04	30.07.2021
001.17043.000123.AC005	GA Drawings of ICSS Cabinet, B21015-550-LCP-0120 (7 Sheets)	05	15.09.2022
001.17043.000123.AC006	GA Drawings of ICSS Cabinet, B21015-550-LCP-0230 (7 Sheets)	05	21.09.2021
001.17043.000123.AC007	GA Drawings of ICSS Cabinet, B21015-550-LCP-0231 (7 Sheets)	05	12.10.2021
001.17043.000123.AC008	GA Drawings of ICSS Cabinet, B21015-550-LCP-0310 (7 Sheets)	04	15.09.2022
001.17043.000123.AC009	GA Drawings of ICSS Cabinet, B21015-550-LCP-0410 (8 Sheets)	04	30.07.2021
001.17043.000123.AC010	GA Drawings of ICSS Cabinet, B21015-550-LCP-0411 (8 Sheets)	04	30.07.2021
001.17043.000123.AC011	GA Drawings of ICSS Cabinet, B21015-550-LCP-0510 (7 Sheets)	05	15.09.2022
001.17043.000123.AC012	GA Drawings of ICSS Cabinet, B21015-550-LCP-0610 (7 Sheets)	05	15.09.2022
001.17043.000123.AC013	GA Drawings of ICSS Cabinet, B21015-550-LCP-0620 (8 Sheets)	04	30.07.2021
001.17043.000123.AC014	GA Drawings of ICSS Cabinet, B21015-550-LCP-0621 (8 Sheets)	04	30.07.2021
001.17043.000123.AC015	GA Drawings of ICSS Cabinet, B21015-550-LCP-0910 (7 Sheets)	06	24.02.2022
001.17043.000123.AC016	GA Drawings of ICSS Cabinet, B21015-550-LCP-1520 (8 Sheets)	04	30.07.2021
001.17403.000123.BG001	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0010 (12 Sheets)	04	15.09.2022
001.17403.000123.BG002	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0020 (12 Sheets)	03	15.09.2022
001.17403.000123.BG003	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0030 (12 Sheets)	03	11.08.2021
001.17403.000123.BG004	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0110 (11 Sheets)	03	11.08.2021
001.17403.000123.BG005	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0120 (13 Sheets)	05	15.09.2022
001.17403.000123.BG006	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0230 (9 Sheets)	04	23.02.2023
001.17403.000123.BG007	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0231 (8 Sheets)	04	12.10.2021
001.17403.000123.BG008	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0310 (12 Sheets)	03	15.09.2022
001.17403.000123.BG009	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0410 (12 Sheets)	03	11.08.2021
001.17403.000123.BG010	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0411 (12 Sheets)	05	15.09.2022
001.17403.000123.BG011	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0510 (12 Sheets)	05	15.09.2022
001.17403.000123.BG012	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0610 (12 Sheets)	04	15.09.2022
001.17403.000123.BG013	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0620 (12 Sheets)	03	11.08.2021
001.17403.000123.BG014	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0621 (12 Sheets)	04	11.08.2021
001.17403.000123.BG015	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-0910 (12 Sheets)	03	24.02.2022
001.17403.000123.BG016	Wiring Diagram of ICSS Cabinet, B21015-550-LCP-1520 (12 Sheets)	02	11.08.2021

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2021-08-31	2021-9390
1	Assessment of Modification in 9 Panels: B21015-550-LCP-0020, B21015-550-LCP-0120, B21015-550-LCP-0230, B21015-550-LCP-0610, B21015-550-LCP-0910, B21015-550-LCP-0231, B21015-550-LCP-0510, B21015-550-LCP-0010, B21015-550-LCP-0310	2023-03-10	2021-9390 Rev. 01

END OF CERTIFICATE