Certificate No: LR25282166TA
Issue Date: 21/01/2026
Expiry Date: 20/01/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Beijer Electronics AB**
Address	Box 426, Stora Varvsgatan 13a, Malmö, 201 24, Sweden
Place of Production	Beijer Electronics Corp. 4F, No. 501-15 Zhongzheng Rd, Xindian Distric, New Taipei City, 23148, Taiwan
Place of Production	Beijer Electronics AB Kosterögatan 15, Malmö, 211 24, Sweden
Type	Human Machine Interface
Description	For all Type of X3 Series HMI panel Refer to the Appendix for further details.
Trade Name	X3 series HMI Panels
Application	For use in environmental categories ENV1, ENV2 and ENV3 on X3 pro and X3 marine variants & ENV1, ENV2, ENV3, ENV4 and ENV5 on X3 extreme variants as defined in Lloyd's Register Test Specification Number 1, July 2024.
Specified Standard	Lloyd's Register Test Specification Number 1, July 2024.
Ratings	• Power Supply Voltage: 24 V DC (all models) • Ingress Protection (IP):

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Ashwinikumar Mhamal

Electrical & Control Technical Manager - Africa, Middle East & India to Lloyd's Register Marine and Offshore India LLP

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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  - Marine Series: IP65 (front panel seal)
  - Extreme Series: IP66 (front panel seal)
  - All Models/Series: IP20 (rear panel seal)
- EMC Compliance: Radiated and conducted emissions in compliance with requirements for equipment installed in Bridge and Deck Zones.

Additional Tests

1.Acoustic Noise Test- Specific standard: IEC 60945:2002, 11.1
2.Compass Safe Distance Test - Specific standard: IEC 60945:2002, 11.2.
3.Flame Retardant Test-Test as per IACS E10, Rev. 9 & IEC 60092-101:2018 or IEC 60695-11-5:2016 RLV.
4.Shock Test (15g/11ms; 40g/11ms on extreme)-Specific standard: IEC 60068-2-27:2008.

Other Conditions

1.Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.

2. Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

3. If the specified standards are amended during the validity of this certificate, the product is to be re- approved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document TSO-24-024991 -E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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