DNV·GL

Certificate No:
TAE00001C8

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pilot Device

with type designation(s)
Control and Signalling Units XB4, XD4-PA, XB5 and XD5-PA

Issued to
Schneider Electric SA
ISLE D'ESPAGNAC, France

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2022-01-21**.

Issued at **Høvik** on **2017-01-22**
DNV GL local station: **DNV Marseille** for **DNV GL**

Approval Engineer: **Nicolay Horn**

Andreas Kristoffersen
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Name and place of manufacturer

Schneider Electric France
Zone Industrielle Nº 3
L'Isle d'Espagnac, France

Schneider Electric AS
Cizovska 447
Pisek, Czech Republic

PT. Schneider Electric Manufacturing Batam
Jl. Beringin Lot 04, Muka Kuning, Batamindo
Industrial Park
Batam-Kepulauan Riau, Indonesia

Product description

Control and signalling units XB4-…, XD4-PA…, XB5-… and XD5-PA… with sub-units ZB4-…, ZB5-…, ZBE-…, ZBV-… or ZBW

Style 4: Chromium plated metal bezel
Style 5: Double insulated plastic bezel

Application/Limitation

Vibration class	A
Humidity class	B
Temperature class	D
Max voltage	600V

Type Approval documentation

Tests carried out

Environmental test in accordance with DNVGL-CG-0339 including: Humidity test, Vibration test, Temperature tests, Cold test, Thermal endurance test, Salt mist test.

Degree of protection (IP66 front side, IP20 back side) in accordance with IEC 60529.
Type tests in accordance with IEC 60947-5-1 & 4 including: Dielectric strength impulse withstand voltage, Electrical overload and endurance test, Short circuit test, Secureness and pullout, short circuit of built in transformers, Robustness of actuating system.

Marking of product

Schneider Electric – Type designation – Manufacturers type number.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.
The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Assessment to be performed at 2 and 3,5 year.

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END OF CERTIFICATE