

# TYPE APPROVAL CERTIFICATE

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**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**

Approval Engineer: **Nicolay Horn**

for **DNV GL**

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**Andreas Kristoffersen**  
**Head of Section**

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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.

Job Id:  
Certificate No: **TAE00001C8**

## Name and place of manufacturer

Schneider Electric France  
Zone Industrielle N° 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