DNV·GL

Certificate No:
TAE0000087
File No:
823.60
Job Id:
262.1-018459-2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Motor Starter

with type designation(s)
PSTX

Issued to
ABB AB, Control Products
VÄSTERÅS, Sweden

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :

Rated Voltage (V)	**690 V AC**
Rated Current (A)	
Frequency (Hz)	

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-08-06**

for **DNV GL**

DNV GL local station: **Stockholm**

Approval Engineer: **Nicolay Horn**

Marit Laumann
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

ABB AB, Control Products Västerås, Sweden	ABB Xinhui Low Voltage Switchgear Co. Ltd Xinhui, China

Product description

Type	Rated operation voltage Ue (V)	Rated insulation voltage Ui (V)	Rated operation current Ie (A)	Rated power at 400 V Pe (W)	Rated conditionals short-circuit current Iq (kA)
PSTX 30	220 – 690	8 kV	9 - 30	15	80
PSTX 37			11.1 -37	18.5	
PSTX 45			13.5 - 45	22	
PSTX 60			18 - 60	30	
PSTX 72			21.6 - 72	37	
PSTX 85			25.5 - 85	45	
PSTX 105			31.8 -106	55	
PSTX 142			42.9 -143	75	
PSTX 170			53.3 -171	90	
PSTX 210			63 - 210	110	
PSTX 250			75 - 250	132	
PSTX 300			96 - 300	160	
PSTX 370			111 - 370	200	

* See application / limitation

Application/Limitation

For installations inside switchboards / enclosures onboard ships and offshore units.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 60947-4-2. EMC Tests, Inclination test, Vibration test, Insulation resistance test, Damp heat test, Dry heat test, Low temperature test and high voltage test

Marking of product

ABB – Type designation – Rated voltage – Rated current - Breaking capacity.

Periodical assessment

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

The main elements of the survey are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and 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.

Survey to be performed at least every second year.

END OF CERTIFICATE