DNV·GL

Certificate No:
TAE00000A7

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Circuit Breaker

with type designation(s)
EASYPACT 100 _ 250

Issued to
Schneider Electric Industries SAS
EYBENS, France

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

Application :

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

Rated Voltage (V)	**up to 550 / 690**
Rated Current (A)	**100 - 250**
Frequency (Hz)	**50 to 60**

This Certificate is valid until **2019-08-27**.

Issued at **Høvik** on **2015-08-28**

for **DNV GL**

DNV GL local station: **Paris CMC / VMC**

Approval Engineer: **Børre Dan Knutsen**

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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Job Id: **262.1-009691-2**
Certificate No: **TAE00000A7**

Name and place of manufacturer

Easypact 100:
Schneider Electric Thailand co. Ltd
540 Soi 9 Bangpoo Indsutrial Estate
Sukhumvit Road, Muang
10280 Samutprakarn – Thailand

Easypact 250:
Fuji Electric Dalian co. Ltd (FEDAC)
No.3 - The third street of Hortheast Dalian
Economic & Technical Development Zone
Dalian 116600 – China

Product description

Circuit breaker including accessories with the following data:

	EZC100					
	B	F	N	N	H	H
Rated insulation voltage (V) Ui	690					
Rated impulse voltage (kV) (Uimp)	6					
Rated operational voltage AC(V) Ue	550					
Rated Frequency (Hz)	50 / 60					
Number of poles	3	3	1	3-4	1	2-3-4
Rated Current (A)*	15-60	15-100	15-100	15-100	15-100	15-100
Rated Short-circ. Ultimate Break. cap. (KA) Icu						
550V	2.5	5	-	5	-	10
440V	5	7.5	-	10	-	20
400 / 415V	7.5	10	2.5	15	5	30
380V	7.5	10	2.5	18	5	30
220 / 240V	10	25	18	25	25	100**
DC 125 V (1P)	-	5	5	5	10	10
DC 250 V (2P in series)	-	5	-	5	-	
Rated Short-circ. Service Break. cap. (KA) Ics % Icu						
550V	25	50	50	50	50	25
440V	25	50	50	50	50	25
400 / 415V	25	50	50	50	50	25
380V	25	50	50	50	50	50
220 / 240V	25	50	50	50	50	50
DC 125 V (1P)	25	50	50	50	50	50
DC 250 V (2P in series)	25	50	50	50	50	50
Utilization category	A					

* Rated current at 40 deg C, See Application / limitation
** For 2 P 50 kA only

	EZC250			ECZV250	
	F	N	H	N	H
Rated insulation voltage (V) Ui	690			440	
Rated impulse voltage (kV) (Uimp)	6			6	
Rated operational voltage AC(V) Ue	525			440	
Rated Frequency (Hz)	50 / 60			50 / 60	
Number of poles	3	3-4	2-3-4	3-4	3-4
Rated Current (A)*	100-250	100-250	100-250	63-250	63-250
Rated Short-circ. Ultimate Break. cap. (KA) Icu					
550V	5	8	10	-	
440V	15	20	25	20	25
400 / 415V	18	25	36	25	36
380V	18	25	36	25	36
220 / 240V	25	50	85	85	100
DC 125 V (1P)	5	20	30	-	-
DC 250 V (2P in series)	5	20	30	-	-
Rated Short-circ. Service Break. cap. (KA) Ics % Icu 690V					
550V	50	50	50	-	-
440V	50	50	50	50	50
400 / 415V	50	50	50	50	50
380V	50	50	50	50	50
220 / 240V	50	50	50	50	50
DC 125 V (1P)	50	50	50	-	-
DC 250 V (2P in series)	50	50	50	-	-
Utilization category	A				

* Rated current at 40 deg C, See Application / limitation

Application/Limitation

Rated current given at 40 deg C, to be derated when used in an environment with an ambient temperature at 45 deg. C.

Suitable for use in TN and TT net. Not suitable for use in an IT net.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 60947-2, sequence 1 and 2 / 3 and vibration test.
Inclination, cold- , dry heat-, damp heat & salt mist (EZC100 only).

Marking of product

Schneider Electric – EasyPact EZC(V) – type designation – manufacturing place (code date)

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 periodical 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.

Periodical assessment to be performed at least every second year.

END OF CERTIFICATE