DNV·GL

Certificate No:
TAE000010S

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Circuit Breaker

with type designation(s)
BK63H

Issued to
LSIS Co., Ltd.
Cheongju-si Chungcheongbuk-do, Republic of Korea

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
IEC 60947-2

Application :

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

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

Rated Voltage (V)	**240 / 415**
Rated Current (A)	**1 - 63**
Frequency (Hz)	**50/60**

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

Issued at **Busan** on **2016-03-10**

for **DNV GL**

DNV GL local station: **Seoul**

Approval Engineer: **Sang Bum Park**

Baeg Soon Choi
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: **262.1-017674-2**
Certificate No: **TAE000010S**

Name and place of manufacturer

Zhejiang Yongji Electrical Co., Ltd.
Address: No.788, Nanming road, Economic Development Zone, Lishui, Zhejiang, China

Product description

Moulded Case Circuit Breaker : BK63H

Frame size	63AF	63AF
Number of poles	1	2/3/4
Rated insulation voltage AC (V)	500	500
Rated operational voltage AC(V)	240	415
Rated Current, at 45 ºC (A)	1/2/3/4/6/10/13/16/20/25/32/40/50/63	1/2/3/4/6/10/13/16/20/25/32/40/50/63
Rated Frequency (Hz)	50/60	50/60
Rated Service Breaking Capacity Ics (kA)	7.5	7.5
Rated Ultimate Breaking Capacity Icu (kA)	10	10
Rated making Capacity (kA)	17	17
Utilization category	A	A

Application/Limitation

The manufacturer's instructions to be observed.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 60947-2
Inclination(Static & Dynamic), vibration, dry heat, damp heat and low temperature test

Marking of product

Manufacturer – Product designation / Rating (Nominal voltage/current)

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 periodical assessment 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.

Periodical assessment to be performed at least every second year.

END OF CERTIFICATE