

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Fuse**

with type designation(s)
SBL-1038

Issued to

SB Co., Ltd.

Gimhae-si Gyeongsangnam-do, Republic of Korea

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.

Voltage class 500V

This Certificate is valid until **2021-10-20**.

Issued at **Busan** on **2016-10-21**

DNV GL local station: **Gimhae MC & FIS**

for **DNV GL**

Approval Engineer: **Hee Jin Song**

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.

Product description

Type: SBL-1038 Fuse-Link
Rated voltage, U_i : 500 [VAC]
Rated current I_e : 1, 2, 3, 4, 5, 6, 8, 10, 12, 16, 20 [A]
Rated frequency: 60 [Hz]
Rated breaking capacity: 100 [kA]
Utilization category: gG

Place of Manufacture

16-10, Jangyu-ro 149 beon-gil, Gimhae-si, Gyeongsangnam-do, Republic of Korea

Application/Limitation

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

Environmental conditions:

Temperature:	A
Humidity:	B
Vibration:	A

Fuse holder BM6031SQ or equivalent is to be used.

Type Approval documentation

Tests carried out

IEC 60269-1 (2014)

Marking of product

SB Fuse – AC 500 V – rated current – IEC 60269 – gG – SBL-1038

Periodical assessment

The scope of the retention/renewal survey 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)



Job Id: **262.1-023018-1**
Certificate No: **TAE00001FH**

- 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