

MARINE DIVISION
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Certificate N°:
06793/B0 BV
The attached Schedule forms part of the certificate
File Number : ACE 02/073/15
Product Code : 2644H



CERTIFICATE OF TYPE APPROVAL

This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations & standards

MINI-BREAKERS

Type: 1110 , 2-5700 , 3120 , 2210-S/T , 8340 - F/-G

MANUFACTURED BY:

E-T-A ELEKTROTECHNISCHE APPARATE GmbH
Altdorf - GERMANY

SPECIFIED REGULATIONS & STANDARDS :
BV Rules and Regulations for the Classification of Ships.

The Approval is valid until : 03.04.2006

BUREAU VERITAS HAMBURG

At Paris la Défense, on : 03.04.2001



J.BENOIT
For the Secretary

This Certificate remains valid until the date stated on, hereunder, unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory into service.

This Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested.

This Certificate is not valid without the stamp of the above mentioned by BUREAU VERITAS Inspection Center.

The manufacturer should notify BUREAU VERITAS of any modification or changes to the equipment in order to obtain a valid Certificate.

The latest published Regulations or Standards referred to, above, and the Marine Division General Conditions are applicable.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Product type	Number of poles	Rated voltage (V)	Maximum operating current (A)	Breaking capacity (kA)	Remarks
Type 1110	1	250 AC 28 DC	0.5-16 0.5-16	8 In 10 In for 0.5-6 A 200 A for 7-10 A 300 A for 12-16 A	Thermal tripping push-push actuation.
Type 2 - 5700	1	250 AC 28 DC	1-25 1-25	8 In for 1-2.5 A 20 In for 3-5 A 200 A for 6-12 A 400 A for 13-25 A	Thermal tripping push to reset actuation.
Type 3120	1-2	250 AC 28 DC	1-20 1-20	10 In for 1-2 A 2 poles 300 A for 2.5-20 A	Thermal tripping rocker operation.
	1 2	50DC 50DC	1-10 1-20	1 pole 150 A for 2.5-20 A	
Type 2210-S/-T	1-4	250 AC 65 DC 240/415 AC	-S 1-25 -T 1-32	400 A for 1-5 A 800 A for 6-32	Thermal magnetic tripping toggle actuation.
Type 8340 -F/-G	1-3 1	250 AC 80 DC 80 DC	0.5-30 40-50	1200 A AC 2000 A DC	Magnetic-hydraulic tripping, toggle & push-pull actuation.

2. DESIGN DRAWINGS and/or SPECIFICATIONS

According to documents filed in ACE 02/073/15.