



TYPE APPROVAL CERTIFICATE

Certificate No. : CPH06107-AC002 **Initial Approval** : 25th June, 2002.
Product : Generator Control & Protection Units
Manufacturer : DEIF A/S
 Frisenborgvej 33, DK-7800 Skive, Denmark

Product Description : Type : Uni-Line
 " See Appendix 1 "

Approval Condition : 1. This approval is granted on the basis of the approved drawings, data sheets, environmental test certificates of Deif A/S.
 2. Individual Product Certification is not required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 1, Art. 109 of the Rules for Classification, Steel Ships.

This Certificate is valid until 24th June, 2017.
 Issued at Busan, Korea on 4th September, 2012.



KOREAN REGISTER OF SHIPPING

Seah 24.

General Manager of
 Materials and Equipment Team

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : CPH06107-AC002

Date of Issue : 4th September, 2012.

Type	Name	data sheet Ref.
- Voltage relays		
RMV-112D	Under/over voltage protection	4921240096D
RMV-122D	Over voltage protection(2 levels)	4921240096D
RMV-132D	Under voltage protection(2 levels)	4921240096D
RMV-142D	Under/over voltage protection(single phase)	4921240128D
- Overcurrent and short circuit relays		
RMC-111D	Short circuit relay	4921240102D
RMC-121D	Short circuit current relay	4921240260A
RMC-122D	Overcurrent and short circuit relay	4921240102D
RMC-132D	Dual overcurrent relay	4921240102D
- Overload/reverse power relays		
RMP-111D	Over load relay	4921240108D
RMP-112D	Overload/reverse power relay	4921240110D
RMP-121D	Reverse power relay	4921240106E
- Excitation relays		
RMQ-111D	Loss of excitation relay	4921240112D
RMQ-121D	Over excitation relay	4921240112D
- Synchronisers		
FAS-113DG	Synchroniser without voltage matching	4921240114D
FAS-115DG	Synchroniser with voltage matching	4921240116D
FAS-125DG	Synchroniser with static synchronisation	4921240141D
- Load sharing units		
LSU-112DG	Load sharing unit	4921240118D
LSU-113DG	Load sharing unit with reverse power protection	4921240120F
LSU-114DG	Load sharing unit with auto. start/stop signals	4921240122D
LSU-122DG	VAr load sharing unit	4921240124D
RMC-131D	Differential current relay	4921240104F
RMF-112D	Over/under frequency relay	4921240223A
HAS-111DG	Paralleling relay	4921240144D
EPN-110DN	Electronic potentiometer	4921240126E
RMT-111Q96	Phase sequence relay	4921240131E

- Approved drawings :

4157200266E, 41572002701, 4157200279D, 4157200273I, 4157200278H, 4157200277F,
4157200280D, 4157200280F, 4157200282C, 4157200281D, 4157200264H

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