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TYPE APPROVAL CERTIFICATE

Certificate No. : CPH16186-AC005 Initial Approval : 3rd February, 2012.
Product : Generator Control Module
Manufacturer : SELCO A/S
Betonvej 10, DK-4000, Roskilde, Denmark

Product Description : Type : FlexGen C6200 Module

* Intended for ;
Integrated frequency stabilization, voltage stabilization,
check/automatic synchronization, active/reactive load sharing,
integrated protection, basic and programmable I/O and data acquisition

" See Appendix 1 "

Approval Condition : " See Appendix 1 "

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. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 2nd February, 2017.

Issued at Daejeon, Korea on 3rd February, 2012.



[Signature]
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.

Product Description and/or Approval Condition

Certificate No : CPH16186-AC005

Date of Issue : 3rd February, 2012.

Product Description :

1. FlexGen C6200 consists of the following modules.
 - C6200 GenController Module : 1 Phase protection
 - C6200 FlexGen Basic, Compact, Advanced : 3 Phase protection
 - C6250 User Interface Module, C6500 FlexGen UI (Optional)
2. General Specification ;
 - Power supply : 24 V DC (10 ~ 36 V DC)
 - Generator voltage/frequency : 63 ~ 690 V, 50/60 Hz
 - Generator max. current : 30,000A
 - Current transformer secondary current : 5 A
 - Power consumption : 7 W
 - Ambient temperature range : - 20 ~ 70 °C
 - Relay contact : 230 V AC, 2 A / 30 V DC, 2 A
 - External communication : Modbus RTU
 - Programmable digital input : 8
 - Programmable digital output : 8
 - Programmable analogue output : 2
3. Approved software version ;
 - C6200 FlexGen : 1.1.x
 - C6500 FlexGen UI : 1.0.x
4. Documentation ;
 - Environmental test report no. DANAK-1910203 issued by DELTA
 - C6200 Configuarations manual, installation manual
 - Diagrams, Software revision status etc.
5. Approval Condition ;
 - 1) This approval is granted on the basis of the test report No. DANAK-1910203 issued by DELTA.
 - 2) The manufacturer should inform this Society of all kinds of revisions of the approved softwares. If the changes are recognized to affect functionality of the approved product, Type Test to confirm the reliability of the revised software may be performed in the presence of our surveyor.
 - 3) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
 - 4) In case where this system is installed on board, the system drawings for individual vessel are to be approved by this society.
 - 5) Individual Product Certification is required as parts of the main switchboard.

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