



## ***Confirmation of Product Type Approval 17/NOV/2009***

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 03/AUG/2014. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 28/MAR/2012 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

### IDEC IZUMI TAIWAN CORPORATION Model Name(s): FC4A and FC5A Series

**Presented to:**

IDEC IZUMI TAIWAN CORPORATION  
NO. 87 SWI KUAN ROAD  
CHU HOU VILLAGE  
KAOHSIUNG HSIEN TAIWAN R.O.C.  
Taiwan, R.O.C.

<b>Intended Service:</b>	Installed on ACC, ACCU or ABCU
<b>Description:</b>	Not Applicable
<b>Ratings:</b>	See Attached Sheets
<b>Service Restrictions:</b>	The above components are to be tested in accordance with 4-9-7/Table 10 of the Rules Performance Tests in the presence of the Surveyor after assembled as a sub-assembly unit, in the panel, or in the console. The performance tests are to be carried out preferably at the assembled plant before installation onboard. However, if it is impracticable, the performance tests may be carried out after installation onboard.
<b>Comments:</b>	Not Applicable
<b>Notes / Documentation:</b>	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. ABS Survey Report No. KO800524 dated 21 February 2007, KO847388 dated 29 June 2007, KO1036349 dated 19 August 2008
<b>Term of Validity:</b>	This Design Assessment Certificate number 07-YO231764-PDA/DUP, dated 28/Mar/2007 will expire on 28/Mar/2012 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2008, will be subject to compliance with the ABS Rules or specifications in effect

when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

**ABS Rules:**

2007 Steel Vessel Rules 1-1-4/7.7, 1-1-A3 and 4-9-7

**National Standards:****International Standards:****Government Authority:****EUMED:****Others:**

ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.