



Confirmation of Product Type Approval 17/JUN/2010

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 30/NOV/2009. 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 14/JUN/2015 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.

SAIA-BURGESS CONTROLS AG

Model Name(s): PCD 3

Presented to:

SAIA-BURGESS CONTROLS AG
BAHNHOFSTRASSE 18
MURTEN
Switzerland

Intended Service:

Process control units for marine, offshore and industrial applications

Description:

The PCD3 Process Control Device can be configured as a centralized system consisting of the CPU unit, communication modules and up to 1023 associated analogue, digital and motion I/O channels, or decentralized system. In the decentralised configuration, the PCD3 CPU could communicate with other PCD3.T66x (via Ethernet) or PCD3.T76x extension modules with each up to 256 associated I/O channels and or a PCD2 control device via Profibus or Profi-S-Net. The PCD.M20/21/22/23xx compact CPUs offers a set of digital and analogue I/O's already included in the base unit. The I/O extension connector gives the possibility to use one PCD3.C200 or PCD3.C110 extension.

Ratings:

Nominal voltage: 24 V DC; Operating Temperature - 0 to 55 Deg.C; Protection Rating: - IP 20

Service Restrictions:

Unit Certification is required for this product if the components are configured for propulsion control, propulsion alarm and monitoring systems. It must not install in dangerous spaces. PCD3.T76X series requires montage with ferrites to comply with EMC requirements. Installation to be made according to manufacturer instruction.

Comments:

Tests and approval are for hardware only. System Category III. Each configuration and external connection is to be specifically approved.

Notes / Documentation:

PCD3 Specification Montage Ferrite: See attachment

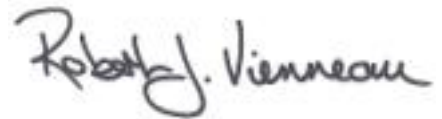
Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate

06-LD147305-2-PDA, dated 15/Jun/2010. This PDA Certificate expires 14/Jun/2015. It will remain valid for 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first). It is valid for all vessels contracted on or before the date of the Rules used in this evaluation.

ABS Rules: 2010 Steel Vessel Rules 1-1-4/3.7, 4-9-6/1 & 7 and 4-9-7/13
National Standards: UL 508
International Standards:
Government Authority:
EUMED:
Others:

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	06-LD147305-2-PDA	15/JUN/2010	14/JUN/2015



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.