



TYPE APPROVAL CERTIFICATE
No. ELE326809CS001



This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Programmable logic controller
<i>Type</i>	AC500 - eCo / S500 -eCo
<i>Applicant</i>	ABB STOTZ-KONTAKT GMBH Eppelheimer Str. 82 69123 Heidelberg GERMANY
<i>Manufacturer</i>	DELTA ELECTRONICS, INC.
<i>Place of manufacture</i>	31-1 Xingbang Road, Guishan Industrial Zone Taoyuan County 33370 TAIWAN R.O.C.
<i>Reference standards</i>	"RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1"

Issued in **Genoa** on **September 4, 2009**. This Certificate is valid until **September 4, 2014**

RINA
Valerio Bonanni

This certificate consists of this page and 1 enclosure



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AC500 - eCo / S500 -eCo

CPU's

Common features	PM 554 and PM564 can operate up to 7 S500 I/O devices			
CPU	Interfaces	I/O	Digital Output	Power Supply
PM 554-T	Serial RS 485	8 DI_ 6 DO	Transistor	24Vdc
PM 554-R	Interface (COM1)	8 DI_ 6 DO	Relays	24Vdc
PM 554-R-AC	Serial RS 485	8 DI_ 6 DO	Relays	100 - 240Vac
PM 564-T	Interface (COM2)	6 DI_ 6 DO_ 1AO_ 2 AI	Transistor	24Vdc
PM 564-R	Optional	6 DI_ 6 DO_ 1AO_ 2 AI	Relays	24Vdc
PM 564-R-AC	SD Memory card	6 DI_ 6 DO_ 1 AO_ 2AI	Relays	100-240Vac

Digital I/O modules

DC561	16 isolated configurable Input or Output 24 VDC (Transistors)
DX 561	8 isolated DI 24 Vdc; 8 isolated DO 24 Vdc
DX 571	8 isolated DI 24 Vdc, 8 digital relay output 120/240 Vac, groupwise electrically isolated
DI 561	8 DI 24 Vdc
DI 562	2x 8 isolated DI 24 Vdc
DI 571	8 DI 120-240 Vac
DO 561	8 DO 24 Vdc (Transistor)
DO 571	8 relay outputs 120 / 240 Vac , 2A max
DO 572	8 digital triac outputs

Analogue I/O modules

AX 561	4 configurable analog inputs: -2,5... +2,5V; -5... +5V; 0...+5V; 0...+10V; 0...20mA; 4... 20 mA 2 configurable analog outputs: -10V ... +10V; 0...20mA; 4...20 mA
AI 561	4 configurable analog inputs
AI 562	2 configurable analog resistance temperature detector (RTD) inputs
AI 563	4 isolated configurable thermocouple (TC) inputs
AO 561	2 configurable analog outputs: -10V...+10V; 0...20mA; 4...20mA

Serial communication interface

TA562-RS	Serial communication interface COM2, RS485 adaptor for PM55x and PM56x CPUs
TA562-RS-RTC	Serial communication interface COM2, RS485 and Real-time clock adaptor for PM55x and PM56x CPUs with battery (TA560-Bat)
TA561-RTC	Serial RTC adaptor for PM55x and PM56x CPUs, lithium battery TA 522 included

SD Memory Card Expansion module

MC 503	SD Memory expansion module for PM554 and PM564 CPUs
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Terminal blocks

L44440901501, L44441101501, L44460901501, L44461101501, L44470901501, L44471101501
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Technical description

Catalogue n. 2CDC125080M0201 (2009)

Test reports:

PACONSULT Report n. 09-2475B (06 July 2009)

EMV Rhein-Neckar GmbH report n. 3893-391 (22/06/2009)

Remarks:

The equipment described on this certificate are not approved for installation on the bridge area of a ship. Installation on board is to be provided taking into account of the additional requirements when listed in the relevant reports. (eg. EMC power supply filtering , shielded enclosure , appropriate grounding, etc.)

Genoa 04/09/2009

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