

## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>ABB AG</b>
<b>Address</b>	Eppelheimer Strasse 82, Heidelberg, 69123, Germany
<b>Type</b>	Control Units
<b>Description</b>	Programmable logic controller and I/O system  Refer to the Appendix for details.
<b>Trade Name</b>	AC500-eCo/S500-eCo
<b>Application</b>	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 (installation in general power distribution zones) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2021.
<b>Specified Standard</b>	EN 61131-2:2007 IACS unified requirements E10 (Rev.8 Feb 2021)
<b>Additional Tests</b>	Low temperature test (-25°C/16hrs)
<b>Other Conditions</b>	The PLC system AC500-eCo is to be installed in a metal enclosure whose openings have conductive contacts every 0.4 m.

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** This certificate supersedes certificate number LR2001942TA issued on 25 February 2020 which is hereby cancelled.

The Design Appraisal Document HTS/ETS 42349-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

## Appendix

### TYPES

AC500-eCo/S500-eCo  
Comprising the following modules:

CPUs:

PM554-TP, PM554-TP-ETH  
PM554-RP, PM554-RP-AC  
PM564-TP, PM564-TP-ETH  
PM564-RP, PM564-RP-ETH  
PM564-RP-AC  
PM564-RP-ETH-AC  
PM556-TP-ETH  
PM566-TP-ETH  
PM5012-T-ETH, PM5012-R-ETH  
PM5032-T-ETH, PM5032-R-ETH  
PM5052-T-ETH, PM5052-R-ETH  
PM5052-R-ETHL  
PM5072-T-2ETH, PM5072-T-2ETHW

I/O Modules:

DX561, DC561, DC562, DI561, DI562, DI572, DO561, DO562, DX571,  
DO571, DI571, DO572, DO573  
AI561, AO561, AX561, AI562, AI563  
FM562: Positioning module

Terminal blocks:

TA564-9, TA564-11  
TA563-9, TA563-11  
TA565-9, TA565-11  
TA5211-TSCL-B, TA5211-TSPF-B  
TA5212-TSCL, TA5212-TSPF  
TA5220-SPF5/6/7/8/9

Accessories:

TA562-RS-RTC, TA561-RTC, TA562-RS, TA569-RS-ISO  
MC503, TA566  
TK503, TK504, TK506  
TA5101-4DI, TA5105-4DOT, TA5110-2DI2DOT  
TA5141-RS232I, TA5142-RS485I, TA5142-RS485  
TA5130-KNXPB, TA5131-RTC  
TA5300-CVR, TA5301-CFA  
MC5102

Software (Firmware):  
CPU: Version 2.x.x or 3.x.x  
I/O Modules: Version 2.x.x

**PLACES OF  
PRODUCTION**

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