ABB Automation Products GmbH
Eppelheimer Strasse 82
69123 Heidelberg
Germany

Attention: Interim LR Type Approval letter

Dear Sirs,

Please kindly note this letter confirms that the below subject product, manufactured by ABB Automation Products GmbH has met satisfactorily relevant requirements of Lloyd’s Register LR Type Approval Procedure, TA 14 and relevant Classification Rules as found applicable.

PRODUCER
ABB Automation Products GmbH
Eppelheimer Strasse 82
69123 Heidelberg
Germany

DESCRIPTION
Programmable logic controller and I/O system

TYPES
AC500-eCo/S500-eCo

Comprising the following modules:
CPUs:
PM554-R-AC, PM-554-T/R
PM564-R-AC, PM-564-T/R
PM554-T-ETH, PM564-T-ETH
PM564-R-ETH, PM564-R-ETH-AC
PM554-TP, PM554-TP-ETH
PM564-TP, PM564-TP-ETH
PM564-RP, PM564-RP-ETH
PM564-RP-AC
PM564-RP-ETH-AC
PM566-TP-ETH
TYPES CONTINUED

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

Accessories:
TA562-RS-RTC: Combined real time clock option with RS485 serial adapter COM2
TA561-RTC: Real time clock option board
TA562-RS: RS485 serial adapter COM2
MC503: SD Memory Card adapter
TA566: Screw mounting accessory for AC500-eCo CPU and S500-eCo I/O
TA569-RS-ISO: RS485 isolated serial adapter COM2
TK504: Programming cable USB => RS485 Sub-D, 3 m
TK506: RS485 isolator, Sub-D 9 poles / Terminal 5 poles for COM1

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

APPLICATION

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 –
2002.

ADDITIONAL TESTS

Low temperature test (-25°C/16hrs)

STANDARD

EN 61131-2:2007

OTHER CONDITIONS

The PLC system AC500-eCo is to be installed in a metal enclosure whose openings
have conductive contacts every 0.4 m.

PLACE OF PRODUCTION

Welco Wong’s Technology (Shenzhen) Ltd
Wanfeng Industrial Estate
34 The East of Wanzhang PU
Shajing, Baoan, Shenzhen,
Guangdong
P.R.China

The Design Appraisal Document No. HTS/ETS 39336-20 and its supplementary Type Approval Terms and
Conditions form part of this interim LR Type Approval letter.

This approval does not eliminate the need for normal inspection and survey procedures required by the
Rules and Regulations and any project related plan approval process as found necessary.

This approval letter is valid until the final certificate will be issued when Lloyd’s Register New global
Database is successfully implemented.
Lloyd's Register is to be notified of any change that may affect the validity of this approval.

We regret any inconvenience caused and hope this letter will find your understanding bridging the gap until the new final LR Type Approval Certificate format will be issued.

Yours sincerely,
Thorsten Wolff
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Electrotechnical Systems
Hamburg Technical Support Office
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