



Lloyd's
Register

Type Approval Certificate

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

This certificate is issued to:

PRODUCER	Elettronica Santerno SpA Via della Concia 7, 40023 Castel Guelfo(BO), Italy
PLACE OF PRODUCTION	AuCom electronics Ltd. 123 Wrights Road PO Box 80208 Christchurch 8440 New Zealand
DESCRIPTION	ASA4.0-A series of Soft Starter for three phase electric motors
TYPE	ASA4.0-A series consist of: ASA4.0-A-0024 ASA4.0-A-0052 ASA4.0-A-0069 ASA4.0-A-0115 ASA4.0-A-0184 ASA4.0-A-0229 ASA4.0-A-0352 ASA4.0-A-0410 ASA4.0-A-0580 ASA4.0-A-0042 ASA4.0-A-0064 ASA4.0-A-0105 ASA4.0-A-0135 ASA4.0-A-0200 ASA4.0-A-0250 ASA4.0-A-0397 ASA4.0-A-0550

Certificate No.	17/80060
Issue Date	24 August 2017
Expiry Date	09 October 2021
Sheet	1 of 2



Shanghai Technical Support Office

*Lloyd's Register Classification Society (China)Co., Ltd
19th Floor, Ocean Towers, 550 Yan An Dong Road, Shanghai 200001*

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RATINGS

Model code:
ASA4.0-A-XXXX B X XX:
XXXX: nominal current rating;
B=internal bypass
X: main supply voltage:
5=200~525 VAC
7=380~690 VAC
XX: control supply voltage:
12=110~120 VAC and 220~440 VAC
14=24 VAC/VDC

APPLICATION

Marine applications for use in environmental categories ENV1, ENV2 in the "Equipment on bridge and deck zone" as defined in LR Type Approval System Test Specification No. 1 July 2015.

ADDITIONAL TESTS:

Low temperature tested at -25°C for 16 hours;
Dry heat tested at 60°C for 16 hours;

STANDARDS

IEC 60947-1:2007, incorporating amendment 1: 2010;
IEC 60947-4-2:2011, incorporating corrigendum July 2012;

OTHER CONDITIONS

The approval covers hardware only, software has been tested to the extent required to verify correct operation during type approval tests only.

"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 Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. STS/TA/17/80060, Issue No. 0, dated 24 August 2017 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	17/80060
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