

Type Approval Certificate

This is to certify that Certificate No. 04/10097(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

Manufacturer	Aucom Electronics Limited
Address	123 Wrights Road, Addington, PO Box 8208, Christchurch, 8440 New Zealand
Place of Production	Aucom Electronics Limited 123 Wrights Road, Addington, PO Box 8208, Christchurch, 8440 New Zealand
Type	CSXw-xxx-Vy-Cz Where:- W=Designated the features of starter; (Blank)=Without motor protection i=With motor protection(overload, phase loss, excess start time, etc.) xxx=Designates the nominal motor ratings; 007kW to 110 kW Vy=Designates the maximum voltage rating V4=440V a.c., V6=575V a.c. Cz=Designates the control supply voltage; C1=110 to 240 V a.c. and 380 to 440 V a.c. C2=24V a.c. or d.c.
Description	CSX Soft Starters for Eclectic Motors
Trade Name	AuCom

19th Floor, 550 Yan An dong Road, Shanghai,
Huangpu District, China

Ke Lin Zhang

Senior Specialist to Lloyd's Register
Classification Society (China) Co Ltd
A member of the Lloyd's Register group

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Application	Soft starter for three phase electric motors for Marine, offshore and industrial applications for use in environmental categories ENV2 in the "Bridge and Deck Zone" as defined in LR Type Approval System Test Specification No. 1-2002 where the Test Specification is satisfactory for the intended operation.
Specified Standard	IEC 60947-4-2 Ed. 3.0(2011)
Ratings	Type: -007, -015, -018, -022, -030, -037, -045, -055, -075, -090, -110 Motor operational voltage(V): V4=200-440; V6=200-575 Motor power(kW): 007, 015, 018, 022, 030, 037, 045, 055, 075, 090, 110 Operational current(A): 18, 34, 42, 48, 60, 75, 85, 100, 140, 170, 200 Remark: control supply: Freq.=45-66Hz, Volt.: C1=110-240V & 380-440V C2=24V a.c./ d.c.
Additional Tests	-Low temperature test at -10°C -Dry heat test at 60 °C
Other Conditions	-The certificate attests to the hardware's suitability for the environmental categories stated. -Suitability of the a separate plan appraisal according to Lloyd's Register Rules and Regulations when placed don Lloyd's Register classed vessels.

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 Design Appraisal Document No. LR2002679TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 04/10097(E2) to which this extension should be attached.

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