Certificate No: LR24113704TA
Issue Date: 01/10/2024
Expiry Date: 30/09/2029

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.

Manufacturer	**Ghisalba S.p.A.**
Address	Via Tevere, 15, Cascine Vica - Rivoli, (TO), 10090, Italy
Place of Production	Aucom Electronics Limited 123 Wrights Road, Addington, Christchurch, New Zealand
Type	Control Units
Description	STA series soft starter for Three Phase Electric Motors consists of: STA-0024; STA-0042; STA-0052; STA-0064; STA-0069; STA-0115; STA-0105; STA-0135; STA-0184; STA-0200; STA-0229; STA-0250; STA-0352; STA-0397; STA-0410; STA-0550; STA-0580 (Low temperature tested at -25°C is conducted); STA-0835B; STA-0940B; STA-1070B; STA-1230B; STA-1250B; STA-0735C; STA-0830C; STA-1025C; STA-1170C; STA-1220C (Low temperature tested at -10°C is conducted);
Trade Name	STA Series
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 2024.
Specified Standard	IEC 60947-1:2020

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Maurizio Crucil

Electrical & Control Technical Manager - South Europe to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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IEC 60947-4-2:2020

Ratings

STA-nnnnW-xyz
nnnn: nominal current rating in amperes
W: the utilisation category
B=internal bypass
x: main supply voltage:
5=200~525 VAC
7=380~690 VAC
y: control supply voltage:
1=110~120 VAC and 220~440 VAC
2=24 VAC/VDC
z: fitting of human machine interface(HMI):
1=HMI fitted

Additional Tests

Low temperature tested at -10°C or -25°C for 16 hours;
Dry heat tested at 60°C for 16 hours;

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 16-80090-02

The Design Appraisal Document LR24113704DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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