



TYPE APPROVAL CERTIFICATE



N. ELE178616CS001

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

Description	Multifunction indicator
Type	Omnilink VSG12 xxx (Ø 85 mm) Omnilink VSG22 xxx (Ø 52 mm)
Applicant	SAN GIORGIO S.E.I.N. Srl Via A. Pedullà 59 16165 Genova Italy
Manufacturer	SAN GIORGIO S.E.I.N. Srl Via A. Pedullà 59 16165 Genova Italy
Testing Standards	Rules for the Classification of Ships – Part C – Machinery Systems and Fire protection – Ch. 3 Sect.6, Tab. 1

Issued in Genova on July 28, 2016

This certificate is valid until July 28, 2021

Valerio Bonanni

RINA Services S.p.A.

Valerio Bonanni

Genova, July 28, 2016

RINA Services S.p.A.
Via Corsica, 12 – 16128 Genova
Tel. +39 010 53851
Fax +39 010 5351000

1/2



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N. ELE178616CS001

Multifunction high resolution stepper motor indicators, including LCD graphic display.

VSG12 xxx (Ø 85mm) IPX6

Main features:

Resolution: 0,5 % F.S.

Accuracy: 2,5 % F.S. (analog / frequency inputs) ; 1% F.S. (CAN Bus)

Input:

1 x CAN Bus SAE J1939 or customized

1 x NMEA 0183 TTL

4 x Analogue (0 to 300 ohm)

1 x frequency 10 Hz to 10kHz $V_{in} > 2V_{pp}$

2 x ON / OFF (insulated, floating N.C. contacts)

1 x light dimmer (0 to 30Vdc)

Output:

1 x buzzer (NPN 50mA)

1 x spare (NPN 50mA)

Dial LED backlight

Power supply : 12 or 24Vdc

VSG22 xxx (Ø 52mm) IPX6

Main features:

Resolution: 0,5 % F.S.

Accuracy: 2,5 % F.S. (analog / frequency input) ; 1% F.S. (CAN Bus)

Input:

1 x CAN Bus SAE J1939 or customized

1 x analogue (0 to 300 ohm)

Dial LED backlight

Power supply : 12 or 24Vdc

S.E.I.N. technical documents:

Omnalink Technical description n. M100908 (13/01/2011)

Omnalink Instruction manual n. M100906 Rev. 1.02

Dwgs.: D100721, D100722

Test Reports:

TesLab Report n. 111005F (21/04/2011)

Genova, July 28, 2016

2/2