



Certificate number: 40793/C0 BV

File number: ACE14/842/2

Product code: 2556H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Wieland Electric GmbH

Bamberg - GERMANY

for the type of product

CONNECTORS

RST16, RST20 and RST25 series, Saris M12

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 33, 43S, 43, 41S (see item 4.2)

IEC 61535:2012

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 12 May 2031

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 12 May 2026,

Dirk Hoepfner

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **RST16**, **RST20** and **RST 25** series are connectors and distribution units for electric installation.
Saris M12 is a plug.

1.1 - Type designation code:

Rewireable connectors with screw- and screwless terminals

	RST16i a bbb Z cc V dd	RST20i a bbb Z cc V dd
a = Number of poles:	2, 3, 4, 5	2; 3
bbb = Connector, terminal type:	SB1; SS1	SB1; SDB1; SS1; SDS1; FB2; FS2
cc = Cord anchorage variations:	T4: round cable, single cord 7,5-10mm T6: round cable, single cord 8,1-10mm	R1: round cable, single cord 6.4-10mm R2: round cable, single cord 10-11.2mm R3: round cable, single cord 12.1-16.8mm RX: round cable, single cord 6.4-10mm RY: round cable, single cord 10-11.2mm
dd = Colour:	e.g.: GL; SW; BR; GN; BL; TB	e.g.: GL; SW; BL; KG; BR; GN

	RST20i a bbb Z cc V dd	RST25i a bbb Z cc V dd
a = Number of poles:	4; 5; 6; 7	3; 5
bbb = Connector, terminal type:	SB1; SS1	SB1; SS1
cc = Cord anchorage variations:	R1: round cable, single cord 6.4-10mm R2: round cable, single cord 10-11.2mm R3: round cable, single cord 12.1-16.8mm RX: round cable, single cord 6.4-10mm RY: round cable, single cord 10-11.2mm	R1: round cable, single cord 6.4-10mm R2: round cable, single cord 10-11.2mm R3: round cable, single cord 12.1-16.8mm RX: round cable, single cord 6.4-10mm RY: round cable, single cord 10-11.2mm
dd = Colour:	e.g.: GL; SW; BR; TB; BL; KG	BG

Built-in connector, rewirable connectors with screw- and screwless terminals

	RST16i a bbb cc d V ee	RST20i a bbb cc d V ee	RST25i a bbb cc d V ee
a = Number of poles:	2; 3	2; 3	3; 5
bbb = Connector, terminal type:	SB1; SS1	SB1; SDB1; SS1; SDS1; FB2; FS2	SB1; SS1
cc = Kind of fixing:	M0	M0; M1; M9	M0; M9
d = Extend kind of fixing:	2; 3	0; 1; 2; 3	0; 1; 2; 3
ee = Colour:	e.g.: GL; SW; BR; GN; BL; TB	e.g.: GL; SW; BL; KG; BR; GN	BG

Distribution block

	RST16i a V bbb XY XY cc
a = Number of poles:	2; 3
bbb = Number of channels:	2P1; 2R1
cc = Colour:	e.g.: GL; SW; BR; GN; BL; TB

Plug

	Saris M12
Number of poles:	4
Coding:	A

1.2 - Main characteristics:

Type	Rated voltage	Rated current	Rated cross-section	Degree of protection
RST16i2	50VAC/120VDC 250/400V	16A	0,25-2,5mm ²	IP66; IP68 (3m/2h); IP69
RST16i3	50VAC/120VDC 250/400V	16A	0,25-2,5mm ²	IP66; IP68 (3m/2h); IP69
RST16i4	250V	16A	0.25-1.5 mm ²	IP66; IP68 (3m/2h); IP69
RST16i5	250/400V	16A	0.25-1.5 mm ²	IP66; IP68 (3m/2h); IP69
RST20i2+i3	250V	20A	0.75-6 mm ²	IP66; IP68 (3m/2h); IP69
RST20i4	250/400V	20A	0.75-6 mm ²	IP66; IP68 (3m/2h); IP69
RST20i5	250/400V	20A	0.75-6 mm ²	IP66; IP68 (3m/2h); IP69
RST20i6	250/400V	20A/5A	0.2-2.5 mm ²	IP66; IP68 (3m/2h); IP69
RST20i7	250/400V	20A/5A	0.2-2.5 mm ²	IP66; IP68 (3m/2h); IP69
RST25i3	250V	25A	0.75-6 mm ²	IP66; IP68 (3m/2h); IP69
RST25i5	250/400V	25A	0.75-6 mm ²	IP66; IP68 (3m/2h); IP69
Saris M12	250V	4A	0.34 mm ²	IP44

2. DOCUMENTS AND DRAWINGS:

- 0690.1 C 02/15; BA000104-01/2014 (Rev. E); BA000279 Rev. D; BA000960-09/2014 (Rev. A);

For B0 version:

- Catalogue 0690.0 K 06/20

- 46.031.5053.0 c dated 04.06.2020; 46.032.5053.0 c dated 04.06.2020

- 46.031.5054.0 c dated 04.06.2020; 46.032.5054.0 c dated 04.06.2020

For B1 version:

- Catalogue 0697.0 D 03/18

- 99.400.2324.2 e dated 08.02.2021 for connector; 99.000.5415.5 02 dated 25.03.2022 for plug

For C0 version:

- VDE: 40042461 dated 2020-11-13; 40036281 dated 2025-12-17

- 46.031.4554.0 c dated 21.03.2023; 46.032.4554.0 c dated 21.03.2023

- 46.031.4553.0 c dated 21.03.2023; 46.032.4553.0 c dated 21.03.2023

- 46.030.1254.0 c dated 05.12.2024; 46.030.1253.0 d dated 05.12.2024

3. TEST REPORTS:

- TÜV Rheinland LGA Products GmbH: 21174665_001 dated 2012-01-05;

- VDE Prüf- und Zertifizierungsinstitut GmbH: 192151-EC2-3 dated 2015-05-28; 192151-CC3-1 dated 2015-06-23;

192151-CC3-2 dated 2015-06-23; 40036281 dated 2012-11-26; 45500-1432-0075/157848-1 dated 2012-11-21;

45500-1432-0075/157848-2 dated 2012-11-21; 45500-1432-0075/157848-3 dated 2012-11-21;

45500-1432-0075/157848-4 dated 2012-11-21

- Wieland Electric GmbH: UB013126 dated 24.06.15; UB013482en dated 12.10.2015;

For B0 version:

- Wieland Electric GmbH: UB017487 dated 27.01.2021; UB017488 dated 27.01.2021; UB017564 dated 27.01.2021

For B1 version:

- Wieland Electric GmbH: UB018014 dated 09.02.2021; UB018031 dated 10.02.2021

For C0 version:

- VDE: 329439-TL3-1 dated 2025-06-11; 329006-TL3-1 dated 2025-06-11; 329006-TL3-2 dated 2025-06-11

4. APPLICATION/LIMITATION:

4.1 - Bureau Veritas Rules for the Classification of Steel Ships

4.2 - Bureau Veritas Environmental Category, **EC Code: 33, 43S** for RST20i2/i3/i4/i5 and RST25series;

EC Code: 33 for RST20i6/i7 and Saris M12; **EC Code: 43** for RST16i2/i3 and **41S** for RST16i4/i5

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be supplied by **Wieland Electric GmbH** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **Wieland Electric GmbH** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **Wieland Electric GmbH** has declared to Bureau Veritas the following production sites:

Wieland Electric GmbH
Brenner Strasse 10-14
96052 Bamberg
GERMANY

Wieland Electric s.r.o.
Nadrazni 1557
35601 Sokolov
CZECH REPUBLIC

6. MARKING OF PRODUCT:

- Maker's name or trade mark

- Equipment type or model identification

7. OTHERS:

7.1 - It is the responsibility of **Wieland Electric GmbH** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 40793/B1 BV issued on 26 Apr 2022 by the Society.

*** END OF CERTIFICATE ***