



Marine & Offshore

Certificate number: 41941/B0 BV

File number: ACE 14/163/4

Product code: 2523D

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

ERICO FRANCE SARL
ANDREZIEUX BOUTHEON - FRANCE

for the type of product

BUSBAR TRUNKING SYSTEMS (BUS WAY)
UBS AND CABS BUSBAR SUPPORT

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.
IEC 61439-1 (2020)

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: 29 Mar 2026

For Bureau Veritas Marine & Offshore,

At BV LYON, on 29 Mar 2021,
Florian Aulen



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 4 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Product model or type designation:

-UBS and CABS Busbar Support

Product description:

- CABS Busbar Support Kit
- Universal Busbar Support: for all busbar types and ERICO® ERILINK busducts
- Universal Busbar Support with Neutral Circuit: for all busbar types and ERICO® ERILINK busducts
- Universal Busbar Support, High Ampacity: for all busbar types and ERICO® ERILINK busducts
- Universal Busbar Support with Neutral Circuit, High Ampacity: for all busbar types and ERICO® ERILINK busducts

1.1 - CABS Busbar Support Kit:

Part Number	Description	Busbars per Phase	Busbar Width (mm)	Busbar Thickness (mm)	Typical Application
549320	CABS2-10TN-400	1 – 2	30 – 120	10	Current Rating: 400 - 4500 A
549270	CABS2-10TN-600	1 – 2	30 – 120	10	Current Rating: 400 - 4500 A
549310	CABS4-5TN-400	1 – 4	30 – 125	5	Current Rating: 400 - 4500 A
549260	CABS4-5TN-600	1 – 4	30 – 125	5	Current Rating: 400 - 4500 A

1.2 - Universal Busbar Support:

Part Number	Description	Busbars per Phase	Busbar Width (mm)	Busbar Thickness (mm)	Typical Application
551020	UBS4-5T	1 – 4	30 – 125	5	Current Rating: 3500 A
551080	UBS2-10T	1 – 2	30 – 120	5	Current Rating: 3600 A

1.3 - Universal Busbar Support, High Ampacity:

Part Number	Description	Busbars per Phase	Busbar Width (mm)	Busbar Thickness (mm)	Typical Application
561520	UBS2-10T-160	1 – 2	160	10	Current Rating: 5700 A
561530	UBS2-10T-200	1 – 2	200	10	Current Rating: 5700 A

1.4 - Universal Busbar Support with Neutral Circuit:

Part Number	Description	Busbars per Phase	Busbar Width (mm)	Busbar Thickness (mm)	Typical Application
551000	UBS1-5TN	1	30 – 125	5	Current Rating: 1700 A
551060	UBS1-10TN	1	30 – 120	10	Current Rating: 2250 A
551010	UBS4-5TN	1 – 4	30 – 125	5	Current Rating: 3500 A
551070	UBS2-10TN	1 – 2	30 – 120	10	Current Rating: 3600 A
551090	UBS3-10TN	1 – 3	30 – 120	10	Current Rating: 4500 A

1.5 - Universal Busbar Support with Neutral Circuit, High Ampacity:

Part Number	Description	Busbars per Phase	Busbar Width (mm)	Busbar Thickness (mm)	Typical Application
561500	UBS1-10TN-160	1	160	10	Current Rating: 3500 A
561510	UBS1-10TN-200	1	200	10	Current Rating: 3500 A
561870	UBS2-10TN-160	1 – 2	160	10	Current Rating: 5700 A
561880	UBS2-10TN-200	1 – 2	200	10	Current Rating: 5700 A
561540	UBS3-10TN-160	1 – 3	160	10	Current Rating: 7.400 A
561550	UBS3-10TN-200	1 – 3	200	10	Current Rating: 7.400 A

1.6 - Features:

Material	: Aluminum, Glass Fibre Reinforced Polyamide, Steel
Finish	: Electrogalvanized
Max Working Voltage, IEC (Ui)	: 1000 VAC, 1500 VDC
Working Temperature	: -40 to 130°C
Flammability Rating	: UL 94V-0
Complies With	: IEC 60439.1, IEC 61439.1

2. DOCUMENTS AND DRAWINGS:**Erico:**

- Technical documentation No. BARSUP000008 Rev. A, dated Oct 17, 2005
- Technical documentation No. BARSUP000009 Rev. A, dated Oct 17, 2005
- Technical documentation No. BARSUP0000011 Rev. B, dated 11 Jul 2016.
- Technical documentation No. BARSUP000012 Rev. A, dated Oct 17, 2005
- Technical documentation No. BARSUP000013 Rev. A, dated Oct 17, 2005
- Technical documentation No. BARSUP000014 Rev. A, dated Oct 17, 2005
- Technical documentation No. BARSUP000028 Rev. A, dated Oct 17, 2005
- Technical documentation No. BARSUP000029 Rev. A, dated 22 Jul 2014.
- Technical documentation No. BARSUP000030 Rev. A, dated 22 Jul 2014.
- Data Sheet Bar Support Cabs, No. BARSUP000050, Rev. B, dated 09 May 2019.
- Data Sheet Bar Support Cabs, No. BARSUP000051, Rev. B, dated 13 May 2019.
- Data Sheet Cabs Busbar Support Kit, dated 2015
- Data Sheet Bar Support Cabs, No. TT683X5101, Rev. B, dated 13 May 2019.
- Data Sheet Bar Support Cabs, No. TT683X5201, Rev. B, dated 14 May 2019.
- Feature Products Universal_Busbar_Support, dated 2015
- Feature Products Universal_Busbar_Support__High_Ampacity, dated 2015
- Feature Products Universal_Busbar_Support_with_Neutral_Circuit, dated 2015
- Feature Products Universal_Busbar_Support_with_Neutral_Circuit__High_Ampacity, dated 2015
- Feature Products CABS_Busbar_Support_Kit, dated 2015
- Installation instruction No. IP8452, Rev. A.
- Installation instruction No. IP8441, Rev. C.

3. TEST REPORTS:**APAVE:**

- Test Report for range of insulated braided conductor No. 6943742-001-1-ang ,dated 12 July 2013
- Test Report for range of busbar support No. 6944354-001-1-ang ,dated 11 June 2012

Erico:

- Busbar Support Calculations per IEC 61439-1, dated April 2015.

4. APPLICATION / LIMITATION:

- 4.1 - According to BV Rules for the Classification of Steel Ships and IEC 60092 series.
- 4.2 - The nominal current on the busbars will be calculated with an ambient temperature of 45°C.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **ERICO FRANCE SARL** in accordance with the type described in this certificate.

5.2 - This type of product is within the category DBV of Bureau Veritas Rule Note NR320.

5.4 - For information, **ERICO FRANCE SARL** has declared to Bureau Veritas the following production sites:

ERICO FRANCE SARL
Rue Benoît-Fourneyron
B.P.31
Z.I. Sud
42161 ANDREZIEUX BOUTHEON
FRANCE

ERICO EUROPE BV
Jules Verneweg 75
5015 BG Tilburg
5015 TILBURG
NETHERLANDS

6. MARKING OF PRODUCT:

- Trade name,
- Serial number,
- Equipment type number or model identification under which it was type-tested.

7. OTHERS:

7.1 - It is **ERICO FRANCE SARL**'s responsibility 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° 41941/A0 BV issued on 08 Feb 2016 by the Society.

***** END OF CERTIFICATE *****