



CERTIFICATE NUMBER	23-2488546-PDA
EFFECTIVE DATE	11-Dec-2023
EXPIRY DATE	10-Dec-2028
ABS TECHNICAL OFFICE	Genoa Engineering Department

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

SCHNEIDER ELECTRIC INDUSTRIES SAS

located at

**31 RUE PIERRE MENDES FRANCE, EYBENS, , GRENOBLE
CEDEX 9, France, 38050**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Busbar Trunking System
Model: Canalis KN
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 10/Dec/2028 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Giorgio Barbini

Giorgio Barbini, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

SCHNEIDER ELECTRIC INDUSTRIES SAS

31 RUE PIERRE MENDES FRANCE, EYBENS

GRENOBLE CEDEX 9

France 38050

Telephone: +33 (0)6 47 44 63 60

Fax: +33 (0) 476394072

Email: christophe.chabert@se.com

Web: www.se.com

Tier: 2 - PDA Issued

Product: Busbar Trunking System

Model: Canalis KN

Endorsements:

Intended Service:

Electrical distribution system for marine and offshore use.

Description:

Canalis KN is designed for low-power distribution. Canalis KN is a busbar trunking system with 4 live aluminium conductors fitted with silver plated aluminium/copper bimetal contacts at junctions and tap-off points for distribution up to 63A. Connectors are available either with fuse carrier, or circuit breaker; or circuit breaker and power socket. Tap-off units with isolator are available with fuses or with circuit breakers.

There are two versions:

1. Canalis KNA: busbar trunking with four live conductors (3L + N + PE), for distribution up to 160 A.
2. Canalis KNT: identical to KNA, but equipped with a transmission bus with three 2.5 mm² conductors (except 160 A).

Rating:

Rated operational voltage: 230~500 VAC

Rated current: 40, 63, 100 and 160 A.

Rated insulation voltage: 500 VAC

Frequency: 50/60Hz

Degree of protection: IP55.

Service Restriction:

1. Unit Certification is not required for this product.
2. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
3. The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. De-rating is to be applied to the nominal current rating where the ambient temperature is other than 35 degrees C. Each particular installation arrangement together with the relevant rating and protection details is to be specifically approved.

Notes/Drawing/Documentation:

Catalogue No.DEBU020EN for Canalis KN 40-160 dated 04-2023

CB Certificate No.FR 645948 dated 2014-04-22 in France

LCIE Test Report No.122711-645946 dated 2014-04-04 in France

CB Certificate No.FR 645942/A1 dated 2017-07-25 in France

LCIE Test Report No.122711-645941 dated 2014-04-04 in France

LCIE Test Report No.122711-645941/A1 dated 2017-06-14 in France

Terms of Validity:

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Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

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STANDARDS

ABS Rules:

2023 Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2023 Marine Vessels Rules 4-8-3/1.7 and 1.11

2023 Rules for Conditions of Classification – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2023 Mobile Offshore Unit Rules, 4-3-1/11 and 15

2023 Facilities on Offshore Installations Rules 3-6/5.1 and 5.3

National:

NA

International:

IEC 61439-6 Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways) - Edition 1.0 Publication date: 23-05-2012.

Government:

NA

EUMED:

NA

OTHERS:

NA