



CERTIFICATE NUMBER 22-2264291-PDA

EFFECTIVE DATE 15-June-2022

EXPIRATION DATE 14-June-2027

ABS TECHNICAL OFFICE Singapore Engineering Services

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 Molded Case Circuit Breaker

Model PowerPact B

This Product Design Assessment (PDA) Certificate remains valid until 14-June-2027 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

Vbin Chandrabose, Senior Engineer

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

SCHNEIDER ELECTRIC INDUSTRIES SAS

31 RUE PIERRE MENDES FRANCE, EYBENS

GRENOBLE CEDEX 9

France 38050

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Email: christophe.chabert@se.com

Web: www.se.com

Tier: 2 - PDA Issued

Product: Molded Case Circuit Breaker

Model: PowerPacT B

Endorsements:

Intended Service:

Marine & Offshore Application

Description:

1, 2, 3 and 4 pole Low Voltage Circuit Breaker

Rating:

15-125A @ 690V

See attachment for details

Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Drawing No. Catalogue 547E0100 Ver.1.0-PowerpacT-B dated 2016-05-23

CB-certificate-FR 687235-A2-PowerpacT-B-Tlaxcala dated 2016-10-28

CB-certificate-FR 687235B-PowerpacT-B-Missouri dated 2016-10-28

CB-certificate-FR 690541-OF-SD-Gambit dated 2016-08-16

Test Report-CB-142309-687235M-PowepacT-B dated 2016-10-26

Test Report-CB-142309-687235T2-PowerpacT-B dated 2016-10-26

Test Report-CB-143692-690540-OF-SD-Gambit dated 2016-08-10

Factory Inspection Report PD CIG 023 - Schneider Industrial Tlaxcala dated 2016-10-17

Factory Inspection Report PD CIG 023-Schneider-Electric-Columbia dated 2016-11-09

-----Revalidation-----

Laboratoire Central des Industries Electriques Report No. 169778-758201M1 Test Report IEC 60947-2 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers dated 01-03-22, Revision: -, Page: 169

Laboratoire Central des Industries Electriques Report No. 1711990010 Test Report IEC 60947-5-1 Part 5: Control circuit devices and switching elements Electromechanical control circuit devices dated 01-06-17, Revision: -, Page: 18

Drawing No. 0611CT1603, Catalogue, Revision: -, Pages: 122

Drawing No. FR_690541/M1, CB Certificate, Revision: -, Pages: 2

Drawing No. FR_714518, CB Certificate, Revision: -, Pages: 4

Drawing No. No Number 1, Factory Inspection report / MEXICO Tlaxcala, Revision: -, Pages: 19

Drawing No. No Number 2, Factory Inspection report / USA Missouri Columbia, Revision: -, Pages: 18

Terms of Validity:

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STANDARDS

ABS Rules:

2022 Rules for Conditions of Classification 1-1-4/7.7, 1-1-A3 and A4, which covers the following:

2022 Marine Vessel Rules: 4-1-1/Table 3, 4-8-3/5.3.3

2022 Rules for Conditions of Classification - Offshore Units and Structures 1-1-4/9.7, 1-1-A2 and A3, which covers the following:

2022 Mobile Offshore Units Rules: 6-1-7/13.1

2022 Facilities on Offshore Installations: 3-6/11.3.3

2022 Rules for Conditions of Classification - Light and High Speed Craft 1-1-4/11.9, 1-1-A2 and A3, which covers the following:

2022 Rules for Building and Classing High Speed Crafts: 4-6-4/11.1

National:

NA

International:

IEC 60947-2 Ed. 5.0 b:2016 + Amd.1 Ed. 5.0 b:2019 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers, published 08-Jul-2019

Government:

NA

EUMED:

NA

OTHERS:

NA

PDA CERTIFICATE NO.: 22-2264291-PDA

REVISION: 0

ISSUE DATE: 15 JUNE 2022

EXPIRE DATE: 14 JUNE 2027

COMPANY: SCHNEIDER ELECTRIC INDUSTRIES SAS

PRODUCT: MOLDED CASE CIRCUIT BREAKER

MODEL: PowerPacT B

PowerPacT B Types	Ue (V)	15-125A	
		Icu (kA)	Ics (kA)
BD 1P	220/240	25	100%
BG 1P	220/240	65	100%
BJ 1P	220/240	65	100%
BD 2-4P	220/240 380/415 440 500/525 660/690	25 18 18 14 -	100%
BG 2-4P	220/240 380/415 440 500/525 660/690	65 35 35 18 -	100%
BJ 2-4P	220/240 380/415 440 500/525 660/690	100 65 65 25 10	100 65 65 25 2,5