Confirmation of Product Type Approval

Company Name: ROCKWELL AUTOMATION INC.

Address: 1201 SOUTH STREET MILWAUKEE WI 53204 United States

Product: Contactor, Electrical

Model(s): Allen-Bradley: 100-C(R)*, 100S-C(R)*, 104-C(R)*, 104S-C(R)* Sprecher + Schuh: CA7-(R)*, CAS7-(R)*, CAU7-(R)*, CASU7-(R)*

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	23-2455015-PDA-DUP	29-SEP-2023	28-SEP-2028
Manufacturing Assessment (MA)	20-4522901	15-DEC-2020	14-DEC-2025
Product Quality Assurance (PQA)	NA	NA	NA

Tier
3 - Type Approved, unit certification not required

Intended Service
For use on ABS Classed vessels and offshore facilities with ACC or ACCU Class Notation in accordance with the listed ABS Rules and International Standards.

Description
Electromechanical contactors and motor-starters for motor controllers; ‘Allen Bradley’ 100-C*, 100S-C*, 104-C*, 104S-C* / ‘Sprecher + Schuh’ CA7-*, CAS7-*, CAU7-*, CASU7-* Series.

Including all relevant accessories according to catalogue (coil control, auxiliary contacts blocks, suppressors, timing modules, mechanical latch and interlock, interfaces, wiring sets).

Ratings
Model/Type reference:

Allen-Bradley:

100-C(R)09*, 100S-C(R)09*, 104-C(R)09*, 104S-C(R)09*, 100-C(R)12*, 100S-C(R)12*, 104-C(R)12*, 104S-C(R)12*, 100-C(R)16*, 100S-C(R)16*, 104-C(R)16*, 104S-C(R)16*, 100-C23*, 100S-C23*, 104-C23*, 104S-C23*

Sprecher + Schuh:

CA7-(R)9*, CAS7-(R)9*, CAU7-(R)9*, CASU7-(R)9*, CA7-(R)12*, CAS7-(R)12*, CAU7-(R)12*, CASU7-(R)12*, CA7-(R)16*, CAS7-(R)16*, CAU7-(R)16*, CASU7-(R)16*, CA7-23*, CAS7-23*, CAU7-23*, CASU7-23*

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• AC-1: (Ui: 200 - 690V; Ie: 32A)

• AC-2 / AC-3 / AC-4: (Ui: 200 - 690V; Ie: 5 - 26.5A)

• AC-15: (Ui: 24 - 690V; Ie: 1 - 10A)

• DC-12: (Ui: 24 - 690V; Ie: 0.2 - 12A)

• DC-13: (Ui: 24 - 690V; Ie: 0.3 - 5A)

Remark: (R) indicates spring force terminals, maybe used up to 16A only

Model/Type reference:

Allen-Bradley:

100-C30*, 100S-C30*, 104-C30*, 104S-C30*, 100-C37*, 100S-C37*, 104-C37*, 104S-C37*, 100-C40*, 100S-C40*

Sprecher + Schuh:

CA7-30*, CAS7-30*, CAU7-30*, CASU7-30*, CA7-37*, CAS7-37*, CAU7-37*, CASU7-37*, CA7-40*, CAS7-40*

• AC-1: (Ui: 200 - 690V; Ie: 65A)

• AC-2 / AC-3 / AC-4: (Ui: 200 - 690V; Ie: 18 - 38A)

Model/Type reference:

Allen-Bradley:

100-C43*, 100S-C43*, 104-C43*, 104S-C43*, 100-C55*, 100S-C55*, 104-C55*, 104S-C55*

Sprecher + Schuh:

CA7-43*, CAS7-43*, CAU7-43*, CASU7-43*, CA7-55*, CAS7-55*, CAU7-55*, CASU7-55*

• AC-1: (Ui: 230 - 690V; Ie: 44 - 85A)

• AC-3 / AC-4: (Ui: 230 - 690V; Ie: 16.5 - 56A)

Model/Type reference:

Allen-Bradley:

100-C60*, 100S-C60*, 104-C60*, 104S-C60*, 100-C72*, 100S-C72*, 104-C72*, 104S-C72*, 100-C85*, 100S-C85*, 104-C85*, 104S-C85*, 100-C90*, 100S-C90*, 100-C97*, 100S-C97*, 104-C97*, 104S-C97*

Sprecher + Schuh:

CA7-60*, CAS7-60*, CAU7-60*, CASU7-60*, CA7-72*, CAS7-72*, CAU7-72*, CASU7-72*, CA7-85*, CAS7-85*, CAU7-85*, CASU7-85*, CA7-90*, CAS7-90*, CA7-97*, CAS7-97*, CAU7-97*, CASU7-97*

• AC-1: (Ui: 230 - 690V; Ie: 100 - 130A)

• AC-3 / AC-4: (Ui: 230 - 690V; Ie: 25.5 - 97A)

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Rated frequency: 50-60Hz

Rated duties: Uninterrupted duty

Ingress protection: IP2X

Ambient temperature: -25DegC to +60DegC

* Type/Devices covered may be followed by additional suffixes such as numbers and/or letters

Note:

Ratings assigned to ‘Allen-Bradley’ are valid for ‘Sprecher + Schuh’ according to the Model/Type reference

Service Restrictions
- Unit Certification is not required for this product.

- 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.

- The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

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

Notes, Drawings and Documentation
RoHS Directive Declaration pec-td002_-en-e dated 15 September 2017

UL Certificate of Compliance No.E3125 dated 02 November 2021 (UL File No.E41850 Vol 6 dated 04 July 2017)

Gap-analysis, IEC 60947-4-1

SUZHOU Test Report No.03601-A-15CB0018-S-A dated 11 June 2015 in China

SUZHOU Test Report No.03601-A-15CB0019-S-A dated 11 June 2015 in China

SUZHOU Test Report No.03601-A-15CB0020-S-A dated 11 June 2015 in China

KEMA Test Report No.2084757.50 dated September 2005 in Switzerland

KEMA Test Report No.2084757.51 dated September 2005 in Switzerland

DEKRA Test Report No.2170396.50 dated 23 May 2014 in The Netherlands

DEKRA Test Report No.2160286.50 dated 01 March 2013 in The Netherlands

Term of Validity
This Product Design Assessment (PDA) Certificate remains valid until 28/Sep/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.

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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.

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 Vessel Rules, 4-8-3/1.5, 4-8-3/1.7, 4-8-3/5.3.3

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, 4.1.1/7.9, 4-3-1/15, 6-1-7/13.1

2023 Facilities on Offshore Installations Rules, 3-6/11.3.3

International Standards
IEC 60947-1 Ed. 6.0 (2020-04)

IEC 60947-4-1 Ed.4.0 (2018-10)

UL 60947-1 Ed.6: 2022

UL 60947-4-1 Ed.4: 2022

EU-MED Standards
NA

National Standards
NA

Government Standards
NA

Other Standards
NA

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 07-Jul-2025 2:40

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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

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prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.

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