

Type-examination certificate no. 6503/2.e

Object: contactor

Mark: Allen-Bradley

Type designation: 100-C09*; 100-C12*; 100-C16*; 100-C23* contactors
100-FA . . ; 100-FB . . ; 100-FC . . auxiliary switches, front-mounted
100-SA . . ; 100-SB . . auxiliary switches, side-mounted

Technical details concerning safety: mirror contacts according to IEC 60947-4-1, Annex F

Manufacturer's address: Rockwell Automation AG
Buchserstrasse 7
CH-5000 Aarau

Address of applicant: Rockwell Automation AG
Buchserstrasse 7
CH-5000 Aarau

Special conditions, enclosures: see supplementary sheet 1/1

Expires on: 31 December 2016

The sample examined satisfies the health and safety requirements according to Article 3 of the Federal Law on product safety of 12 June 2009 its amendments.

This certificate is valid in conjunction with the general conditions listed on the back and any possible enclosures mentioned above.

Place and date:
Lucerne, 23 December 2011

Suva
Accredited Certification Body SCESp 008
Technology Sector

The Safety Engineer
Peter Kocher



Head of Certification
Guido Schmitter



Allen-Bradley Replacements

Supplementary sheet to Certificate no. 6503/2.e

Lucerne, 23 December 2011

The type-examination certificate is valid for the following types:

contactors with screw terminals (100-C...) and contactors with spring force terminals (100-CR...):

100-C(R)09*
100-C(R)12*
100-C(R)16*
100-C23*

auxiliary switches with screw terminals, front-mounted (100-F...) and
auxiliary switches with screw terminals, side-mounted (100-S...):

100-FA02 100-FAB02 100-FB02 100-FBB02
100-FA11 100-FAB11 100-FB11 100-FBB11
100-FA20 100-FAB20 100-FB20 100-FBB20
100-FA04 100-FAB04 100-FB22 100-FBB22
100-FA13 100-FAB13 100-FB13 100-FBB13
100-FA22 100-FAB22 100-FC11 100-FCB11
100-FA31 100-FAB31 100-FC22 100-FCB22
100-FA40 100-FAB40 100-FC31 100-FCB31
100-SB01 100-SA01
100-SB02 100-SA02
100-SB10 100-SA10
100-SB11 100-SA11
100-SB20 100-SA20

auxiliary switches with spring force terminals, front-mounted:

100-CRFA02 100-CRFAB02 100-CRFB02 100-CRFBB02
100-CRFA11 100-CRFAB11 100-CRFB11 100-CRFBB11
100-CRFA20 100-CRFAB20 100-CRFB20 100-CRFBB20
100-CRFA04 100-CRFAB04 100-CRFB22 100-CRFBB22
100-CRFA13 100-CRFAB13 100-CRFB13 100-CRFBB13
100-CRFA22 100-CRFAB22 100-CRFC11 100-CRFCB11
100-CRFA31 100-CRFAB31 100-CRFC22 100-CRFCB22
100-CRFA40 100-CRFAB40 100-CRFC31 100-CRFCB31

In context with this type-examination certificate the meaning of the term mirror contacts is as follows:
If any main contact is closed, then no mirror contact (auxiliary contact) is closed
(IEC 60947-4-1, Annex F).

The use of built-in mirror contacts ensures that these NC contacts are mechanically linked to the main contacts in the sense of a mirror contact. If one or more main contacts are closed, even in case of welded contacts, then the mirror contacts cannot be closed simultaneously. When auxiliary switches are mounted, the instructions of the manufacturer have to be observed. Correct mounting and function of the mirror contacts has to be tested.

In order to prevent manual operation in safety-relevant parts of control systems, protective covers have to be used.

Last page of the supplementary sheet to Certificate no. 6503/2.e

General conditions

This certificate is valid only for products bearing the trademark and type shown on the front page. Each product must be marked with a nameplate, a sticker, a label or a stamp so that it can be clearly identified.

The manufacturer or supplier undertakes to deliver under the trademark and type stated on the front page only products that are identical with the certified type in all aspects that can influence its safety. Failure to comply with this condition will automatically invalidate this certificate.

When assessing the product mentioned on the front page, it has been assumed that its design and manufacture comply with the acknowledged rules of technology.

In the event of a sale, the technical instructions must be supplied in the official language of the user's country. They must include the information on safety required for the intended use of the object, its operation, necessary checks, maintenance and the precautions to be taken when operating the object. The instructions are binding for the user. If organizational measures are required to guarantee safety, they must be agreed upon in advance with the buyer and user of the product.

The user must employ the product for its intended purpose and with due care. In particular, he must comply with any special conditions of use and take the necessary organizational measures.

The manufacturer is obliged to report to Suva without delay any complaints regarding the product or product category described on the front page as well as the remedying of faults.

Reference to this certificate in quotations, brochures, advertisements or other publicity media may only be made if accompanied by its number.

Upon request, the term of validity of the certificate is extended if the product and the applicable conditions of use still meet valid safety requirements. However, if recent experience or findings show that adequate safety is no longer guaranteed, the certificate can be cancelled by Suva at any time.

Certification Body SCESp 008; European notified body, identification number 1246

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Allen-Bradley Replacements