



S SCHWEIZERISCHER ZERTIFIZIERUNGSDIENST
CE SERVICE SUISSE DE CERTIFICATION
Sp SERVIZIO SVIZZERO DI CERTIFICAZIONE
SWISS CERTIFICATION SERVICE

SCESp 008



suvaPro
CERTIFICATION

Type-examination certificate no. E 6081/2.e

Object: contactor

Make: Sprecher+Schuh

Type designation: CA7-9*; CA7-12*; CA7-16*; CA7-23* contactors
CS7-PV-...; CA7-PV-...; CA7-PV-S... auxiliary switches, front-mounted
CA7-PA-...; CA7-PA-S... auxiliary switches, side-mounted

Technical details concerning safety: mechanically linked contacts
(positively driven contacts, forced contacts, forcibly guided contacts)
according to IEC 60947-5-1, Annex L

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: 28 December 2009

The prototype tested satisfies the current relevant provisions of Directive 98/37/EC (formerly Council Directive 89/392/EEC and its amendments) of the European Parliament and of the Council on the approximation of the laws of the Member States relating to machinery.

This certificate is valid in conjunction with the general provisions listed on the reverse and any previously mentioned enclosures.

European notified body, identification number 1246

Place and date:

Lucerne, 27 June 2008

Suva
Accredited Certification Body SCESp 008
Technology Sector

The Safety Engineer

Peter Kocher

Head of Certification

Guido Schmitter



Supplementary sheet to Certificate no. E 6081/2.e

Lucerne, 27 June 2008

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

contactors:

CA7-9* CA7-12* CA7-16* CA7-23*

auxiliary switches, front-mounted:

CS7-PV-02 CA7-PV-02
CS7-PV-11 CA7-PV-11
CS7-PV-20 CA7-PV-20
CS7-PV-04 CA7-PV-22
CS7-PV-13
CS7-PV-22 CA7-PV-S11
CS7-PV-31 CA7-PV-S22
CS7-PV-40 CA7-PV-S31

auxiliary switches, side-mounted:

CA7-PA-01 CA7-PA-S01
CA7-PA-02 CA7-PA-S02
CA7-PA-10 CA7-PA-S10
CA7-PA-11 CA7-PA-S11
CA7-PA-20 CA7-PA-S20

In context with the above type-examination certificate the meaning of the term "mechanically linked contacts" is as follows:

If any NO contact is closed, none of the NC contacts is closed.
If any NC contact is closed, none of the NO contacts is closed.
This refers to main contacts as well as to auxiliary contacts.
(IEC 60947-5-1, Annex L)

For safety-related applications only devices (contactors and contactors with auxiliary switches) may be used that are equipped with at least one NO contact and at least one NC contact.

Mechanically linked operation is ensured by the construction, if only NO and NC contacts in either the contactor or the auxiliary switch are used.

When auxiliary switches are mounted, the instructions of the manufacturer have to be observed. Correct mounting and function of the mechanically linked contacts has to be tested.

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

Sheet 1/1

Last page of the supplementary sheet to Certificate no. E 6081/2.e.



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 CERTIFICATION

Type-examination certificate no. E 6083/2.e

Object: contactor

Make: Sprecher+Schuh

Type designation: CA7-30*; CA7-37* contactors
 CS7-PV-...; CA7-PV-...; CA7-PV-S... auxiliary switches, front-mounted
 CA7-PA-...; CA7-PA-S... auxiliary switches, side-mounted

Technical details concerning safety: mechanically linked contacts
 (positively driven contacts, forced contacts, forcibly guided contacts)
 according to IEC 60947-5-1, Annex L

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: 28 December 2009

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Supplementary sheet to Certificate no. E 6083/2.e

Lucerne, 27 June 2008

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

contactors:

CA7-30* CA7-37*

auxiliary switches, front-mounted:

CS7-PV-02	CA7-PV-02
CS7-PV-11	CA7-PV-11
CS7-PV-20	CA7-PV-20
CS7-PV-04	CA7-PV-22
CS7-PV-13	
CS7-PV-22	CA7-PV-S11
CS7-PV-31	CA7-PV-S22
CS7-PV-40	CA7-PV-S31

auxiliary switches, side-mounted:

CA7-PA-01	CA7-PA-S01
CA7-PA-02	CA7-PA-S02
CA7-PA-10	CA7-PA-S10
CA7-PA-11	CA7-PA-S11
CA7-PA-20	CA7-PA-S20

In context with the above type-examination certificate the meaning of the term "mechanically linked contacts" is as follows:

If any NO contact is closed, none of the NC contacts is closed.
If any NC contact is closed, none of the NO contacts is closed.
This refers to main contacts as well as to auxiliary contacts.
(IEC 60947-5-1, Annex L)

For safety-related applications only devices (contactors and contactors with auxiliary switches) may be used that are equipped with at least one NO contact and at least one NC contact.

Mechanically linked operation is ensured by the construction, if only NO and NC contacts in either the contactor or the auxiliary switch are used.

When auxiliary switches are mounted, the instructions of the manufacturer have to be observed. Correct mounting and function of the mechanically linked contacts has to be tested.

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

Sheet 1/1

Last page of the supplementary sheet to Certificate no. E 6083/2.e.



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CERTIFICATION

Type-examination certificate no. E 6085/2.e

Object: contactor

Make: Sprecher+Schuh

Type designation: CA7-43* contactors
CS7-PV-...; CA7-PV-...; CA7-PV-S... auxiliary switches, front-mounted
CA7-PA-...; CA7-PA-S... auxiliary switches, side-mounted

Technical details concerning safety: mechanically linked contacts
(positively driven contacts, forced contacts, forcibly guided contacts)
according to IEC 60947-5-1, Annex L

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: 28 December 2009

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Supplementary sheet to Certificate no. E 6085/2.e

Lucerne, 27 June 2008

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

contactors:

CA7-43*

auxiliary switches, front-mounted:

CS7-PV-02	CA7-PV-02
CS7-PV-11	CA7-PV-11
CS7-PV-20	CA7-PV-20
CS7-PV-04	CA7-PV-22
CS7-PV-13	
CS7-PV-22	CA7-PV-S11
CS7-PV-31	CA7-PV-S22
CS7-PV-40	CA7-PV-S31

auxiliary switches, side-mounted:

CA7-PA-01	CA7-PA-S01
CA7-PA-02	CA7-PA-S02
CA7-PA-10	CA7-PA-S10
CA7-PA-11	CA7-PA-S11
CA7-PA-20	CA7-PA-S20

In context with the above type-examination certificate the meaning of the term "mechanically linked contacts" is as follows:

If any NO contact is closed, none of the NC contacts is closed.

If any NC contact is closed, none of the NO contacts is closed.

This refers to main contacts as well as to auxiliary contacts.

(IEC 60947-5-1, Annex L)

For safety-related applications only devices (contactors and contactors with auxiliary switches) may be used that are equipped with at least one NO contact and at least one NC contact.

Mechanically linked operation is ensured by the construction, if only NO and NC contacts in either the contactor or the auxiliary switch are used.

When auxiliary switches are mounted, the instructions of the manufacturer have to be observed. Correct mounting and function of the mechanically linked contacts has to be tested.

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

Sheet 1/1

Last page of the supplementary sheet to Certificate no. E 6085/2.e.



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 CERTIFICATION

Type-examination certificate no. E 6087/2.e

Object: contactor

Make: Sprecher+Schuh

Type designation: CA7-60*; CA7-72*; CA7-85* contactors
 CS7-PV-...; CA7-PV-...; CA7-PV-S... auxiliary switches, front-mounted
 CA7-PA-...; CA7-PA-S... auxiliary switches, side-mounted

Technical details concerning safety: mechanically linked contacts
 (positively driven contacts, forced contacts, forcibly guided contacts)
 according to IEC 60947-5-1, Annex L

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: 28 December 2009

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Supplementary sheet to Certificate no. E 6087/2.e

Lucerne, 27 June 2008

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

contactors:

CA7-60* CA7-72* CA7-85*

auxiliary switches, front-mounted:

CS7-PV-02 CA7-PV-02
CS7-PV-11 CA7-PV-11
CS7-PV-20 CA7-PV-20
CS7-PV-04 CA7-PV-22
CS7-PV-13
CS7-PV-22 CA7-PV-S11
CS7-PV-31 CA7-PV-S22
CS7-PV-40 CA7-PV-S31

auxiliary switches, side-mounted:

CA7-PA-01 CA7-PA-S01
CA7-PA-02 CA7-PA-S02
CA7-PA-10 CA7-PA-S10
CA7-PA-11 CA7-PA-S11
CA7-PA-20 CA7-PA-S20

In context with the above type-examination certificate the meaning of the term "mechanically linked contacts" is as follows:

If any NO contact is closed, none of the NC contacts is closed.

If any NC contact is closed, none of the NO contacts is closed.

This refers to main contacts as well as to auxiliary contacts.

(IEC 60947-5-1, Annex L)

For safety-related applications only devices (contactors and contactors with auxiliary switches) may be used that are equipped with at least one NO contact and at least one NC contact.

Mechanically linked operation is ensured by the construction, if only NO and NC contacts in either the contactor or the auxiliary switch are used.

When auxiliary switches are mounted, the instructions of the manufacturer have to be observed. Correct mounting and function of the mechanically linked contacts has to be tested.

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

Sheet 1/1

Last page of the supplementary sheet to Certificate no. E 6087/2.e.