

EU Declaration of Conformity

Product: **IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing Contactors and Accessories**

Name and address of the manufacturer:
Sprecher + Schuh
15910 International Plaza Drive
Houston, TX 77032
U.S.A.

Name and address of the authorised representative:
Rockwell Automation B.V.
Rivium Promenade 160
2909 LM Capelle aan den IJssel
The Netherlands

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: **Sprecher + Schuh CA7, CAS7, CAQ7, CAU7, CASU7 Series and Accessories**
(reference the attached list of catalogue numbers)

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

2014/35/EU	Low Voltage Directive	(LVD)
2014/30/EU	EMC Directive	(EMC)
2011/65/EU	RoHS Directive	(RoHS)

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

EN 60947-4-1:2010+A1:2012	Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters
EN 60947-5-1:2004+A1:2009	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices
EN 60947-5-4:2003	Low-voltage switchgear and controlgear – Part 5-4: Control circuit devices and switching elements – Method of assessing the performance of low energy contacts – Special tests
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Signed for and on behalf of the above named manufacturer:

Place and date of issue: Aarau, Switzerland 14-Sep-2018

Name, function: Daniel Baumann, Manager – Product Compliance Engineering

Signature: i.v. Daniel Baumann

Catalogue number	Series ¹	Description	Directive ²		
			EMC	LVD	RoHS
CA*7 - * * * * - * - * * *		IEC Contactors with conventional coil per Nomenclature	N/R	Yes	Yes
CA*7 - * * * * E - * - * * *		IEC Contactors with electronically-controlled DC coil per Nomenclature	Yes	Yes	Yes
Accessories					
C*(S)7 - (R)P * * - * * *		Auxiliary Contact Blocks per Nomenclature	N/R	Yes	Yes
CZ*7 - *		Pneumatic Timing Modules per Nomenclature	N/R	N/R	Yes
CRZ*7 - * - *		Electronic Timing Modules per Nomenclature	Yes	Yes	Yes
CA7 - SF47 *		Rectifier Modules per Nomenclature	N/R	Yes	Yes
CM7 - * - *		Mechanical Interlocks per Nomenclature	N/R	Yes	Yes
CV7 - * - *		Mechanical Latches per Nomenclature	N/R	Yes	Yes
CR*7 - * * * *		Suppressor Modules per Nomenclature	N/R	Yes	Yes
CRI7E - *		Electronic DC Interfaces per Nomenclature	Yes	Yes	Yes
CAUT7 - PW23 CAUT7 - PW37 CAUT7 - PW43 CAUT7 - PW55 CAUT7 - PW85		Reversing Power Wiring Kits	N/R	N/R	Yes
CAYT7 - PW23 CAYT7 - PW37 CAYT7 - PW43 CAYT7 - PW55 CAYT7 - PW72 CAYT7 - PW85		Wye-Delta/Star-Delta Starter Wiring Kits	N/R	N/R	Yes
CA7 - P - K * *		Terminal Lug Kits per Nomenclature	N/R	Yes	Yes
CA7 - P - B *		Paralleling Links per Nomenclature	N/R	Yes	Yes
CA7 - SC2 CA7 - SC10 CA4 - SC11		Stab Connectors	N/R	N/R	Yes
CA7 - SCC CA7 - SCF		Protective Covers	N/R	N/R	Yes
CA7 - S9		Dovetail Connector	N/R	N/R	Yes
CA7 - FMS CA7 - FMP CA7 - FMC CA7 - FMA2		Marking Systems	N/R	N/R	Yes

1) If no series number is given, then all series are covered.

2) Yes = Product is certified to this directive.

N/R = This directive is not required for this product.

MODEL NOMENCLATURE:

IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing Contactors Catalogue Number Explanation

CA7											
CAS7											
CAQ7	-	*	*	*	*	-	*	-	*	*	*
CAU7											
CASU7											
1		2	3	4	5		6		7	8	9

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	CA7 CAS7 CAQ7 CAU7 CASU7	Base Catalogue Number IEC Contactor (3-poles and 4-poles) IEC Safety Contactor (3-poles and 4-poles) IEC Capacitor Switching Contactor (3-poles, Contactor sizes 16 and 37) IEC Reversing Contactor (3-poles) IEC Safety Reversing Contactor (3-poles)
2	No suffix R	Terminal Type Screw terminals Spring force terminals
3	9, 12, 16, 23 30, 37, 40 43, 55 60, 72, 85, 90, 97	Contactor Size Frame size 0 Frame size 1 Frame size 2 Frame size 3
4	No suffix S	Special Features No special feature Coil with three field wiring terminals (for Contactor sizes 9, 12, 16, 23, 30, 37)
5	No suffix C D E Y	Coil Specification Indicates conventional AC coil Indicates conventional DC coil Indicates conventional DC coil with integrated bi-directional diode between coil terminals Indicates electronically-controlled DC coil Indicates DC Double Winding Coil (for Contactor sizes 9, 12, 16, 23, 30, 37, 40, 43, 55)

**IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing
Contactors Catalogue Number Explanation
(continued)**

Position	Catalogue No. Suffix	Options/Descriptions
6	00, 01, 10 M22, M31, M40	Contact Configuration of Contactors (3-poles) Contact Configuration of Contactors (4-poles)
	02, 03, 04, 05, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41, 204, 222, 302, 304, 311, 313, 322, 331, 402, 404, 405, 411, 413, 414, 422, 423, 431, 432	Contact Configuration of Safety Contactors Numbers followed by letter "C": Standard moveable contacts Numbers followed by letters "BC": Bifurcated moveable contacts
	11, 20	Contact Configuration of Capacitor Switching Contactors
	02, 22	Contact Configuration of Reversing Contactors
	08, 010, 012, 210	Contact Configuration of Safety Reversing Contactors Numbers followed by letter "C": Standard moveable contacts Numbers followed by letters "BC": Bifurcated moveable contacts
	D00, D01, D02, D10, D11, D20, E00, E01, E10, D00G, D01G, D02G, D10G, D11G, D20G, E00G, E01G, E10G, M22-D00, M31-D00, M40-D00, M22-D01, M31-D01, M40-D01, M22-D10, M31-D10, M40-D10, M22-D00G, M31-D00G, M40-D00G, M22-D01G, M31-D01G, M40-D01G, M22-D10G, M31-D10G, M40-D10G	Contact Configuration of Contactors with Double Winding Coil (prefix "Y") Prefix "D" is for Contactors of sizes 9, 12, 16, 23 Prefix "E" is for Contactors of sizes 30, 37, 40, 43, 55 Prefix "M" indicates 4-poles Suffix "G" indicates that the coil switch-over contact is mounted to the left side of the Contactor; no suffix at this position indicates that the coil switch-over contact is mounted to the right side of the Contactor
	D04, D06, D22, D24, D42, E04, E22	Contact configuration of Reversing Contactors with Double Winding Coil (prefix "Y") Prefix "D" is for Reversing Contactors of sizes 9, 12, 16, 23 Prefix "E" is for Reversing Contactors of sizes 30, 37, 43, 55
7	No suffix U	Coil Terminals Position Line side coil terminals Load side coil terminals (bottom)

**IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing
Contactors Catalogue Number Explanation
(continued)**

Position	Catalogue No. Suffix	Options/Descriptions
8	<i>One, two or three digits, optionally followed by one or two letters</i>	<p><i>Control Voltage Coil Code (indicates coil-voltage and -frequency)</i></p> <p><i>AC coil code (conventional AC coil: 12...550V50Hz; 12...600V60Hz; 24...440V50/60Hz). Two or three digits, optionally followed by "A", "B", "W" or "Z"</i></p> <p><i>DC coil code (conventional DC coil: 9...250VDC). One, two or three digits followed by "C", "D" or "Y"; additional suffix "D" indicates integrated bi-directional diode between coil terminals, additional suffix "S" indicates integrated suppressor between coil terminals</i></p> <p><i>DC coil code (electronically-controlled DC coil: 12...250VDC). Two or three digits followed by "E" (Contactor sizes 9, 12, 16, 23, 30, 37, 40, 43, 55)</i></p> <p><i>DC coil code (electronically-controlled DC coil with reduced drop-out time: 12...250VDC). Two or three digits followed by "Q" (Contactor sizes 9, 12, 16, 23, 30, 37, 40, 43, 55)</i></p>
9	<p><i>No suffix</i></p> <p><i>-X2</i></p> <p><i>-X3</i></p> <p><i>-F15</i></p> <p><i>-F16</i></p> <p><i>-X6</i></p>	<p><i>Options</i></p> <p><i>No option</i></p> <p><i>Control wiring provided (Reversing Contactors only)</i></p> <p><i>Terminal Covers not provided</i></p> <p><i>Spade connectors provided (Contactors only)</i></p> <p><i>Spade connectors provided (Contactors only)</i></p> <p><i>Spade connectors provided (Reversing Contactors only)</i></p>

Accessories Catalogue Number Explanation

A.) Auxiliary Contact Blocks

CA7 – P						
CS7 – P						
CA7 – RP						
CS7 – RP						
CAS7 – P	*	*	-	*	*	*
CSS7 – P						
CAS7 – RP						
CSS7 – RP						
1	2	3		4	5	6

Position	Catalogue No. Suffix	Options/Descriptions
1	CA7 – P, CS7 – P CA7 – RP, CS7 – RP CAS7 – P, CSS7 – P CAS7 – RP, CSS7 – RP	Base Catalogue Number Auxiliary Contact Block with screw terminals Auxiliary Contact Block with spring force terminals Safety Auxiliary Contact Block with screw terminals Safety Auxiliary Contact Block with spring force terminals
2	A V	Mounting Position Side mounting Front mounting
3	No suffix B	Kind of Contact Auxiliary Contact Block with standard moveable contacts Auxiliary Contact Block with bifurcated moveable contacts
4	No suffix L LL	Contact Configuration Standard contacts One early make N.O. contact and one late break N.C. contact Two early make N.O. contacts and two late break N.C. contacts
5	No suffix S H	Options No option Terminal identification according to European standards One pole special purpose Auxiliary Contact (for use with Contactor sizes 9, 12, 16, 23, 30, 37)
6	Two digits	Contact Configuration First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts

Accessories Catalogue Number Explanation (continued)

B.) Pneumatic Timing Modules

CZA7		
CZE7	-	*
1		2

Position	Catalogue No. Suffix	Options/Descriptions
1	CZA7 CZE7	Base Catalogue Number Pneumatic Timing Module, off-delay Pneumatic Timing Module, on-delay
2	30 180	Time Range 0.3...30s 1.8...180s

C.) Electronic Timing Modules

CRZA7				
CRZE7	-	*	-	*
CRZY7				
1		2		3

Position	Catalogue No. Suffix	Options/Descriptions
1	CRZA7 CRZE7 CRZY7	Base Catalogue Number Electronic Timing Module, off-delay Electronic Timing Module, on-delay Electronic Timing Module, wye-delta
2	3 30 180	Time Range 0.1...3s (for CRZE7) 0.3...3s (for CRZA7) 1...30s 10...180s
3	No suffix 24VAC 24VDC	Control Voltage Code (indicates coil-voltage and -frequency) 110...240V50/60Hz and 110...250VDC (for CRZE7) 110...240V50/60Hz (for CRZA7 and CRZY7) 24V50/60Hz (for CRZA7) 24...48VDC (for CRZE7)

Accessories Catalogue Number Explanation (continued)

D.) Rectifier Modules

CA7 – SF47	*
1	2

Position	Catalogue No. Suffix	Options/Descriptions
1	CA7 – SF47	Base Catalogue Number of Rectifier Module
2	No suffix A30	24...250V50/60Hz input voltage; no timing module provided 110...250V50/60Hz input voltage; timing module with 1...3s on-delay provided

E.) Mechanical Interlocks

CM7	-	*	-	*
1		2		3

Position	Catalogue No. Suffix	Options/Descriptions
1	CM7	Base Catalogue Number of Mechanical Interlock
2	No suffix S T	Terminal Designation 21-22, 21-22 or none (no contacts provided) 55-56, 65-66 21-22, 31-32
3	No suffix 02	Contact Configuration No contacts provided Two N.C. contacts provided

F.) Mechanical Latches

CV7	-	11	-	*
1		2		3

Position	Catalogue No. Suffix	Options/Descriptions
1	CV7	Base Catalogue Number of Mechanical Latch
2	11	Contact Configuration One N.C. contact and one N.O. contact
3	Two or three digits, followed by an optional letter	Control Voltage Coil Code (indicates coil-voltage and -frequency) AC coil code (conventional AC coil: 12...550V50Hz) AC coil code (conventional AC coil: 12...600V60Hz) AC coils may also be used for DC control voltages (special rules must be applied)

Accessories Catalogue Number Explanation (continued)

G.) Suppressor Modules

CRC7				
CRD7	-	*	*	*
CRV7				
1		2	3	4

Position	Catalogue No. Suffix	Options/Descriptions
<i>1</i>	<i>CRC7 CRD7 CRV7</i>	<i>Base Catalogue Number Suppressor Module, RC Module Suppressor Module, Diode Module Suppressor Module, Varistor Module</i>
<i>2</i>	<i>No suffix R</i>	<i>Terminal Type For Contactors with screw terminals For Contactors with spring force terminals</i>
<i>3</i>	<i>Two or three digits</i>	<i>Indicates voltage range</i>
<i>4</i>	<i>No suffix W</i>	<i>Indicates that Suppressor Module is provided with connectors which fit to the coil terminal of the Contactors Indicates that Suppressor Module is provided with wire leads for connection to the coil terminal of the Contactors</i>

H.) Electronic DC Interfaces

CR17E	-	*
1		2

Position	Catalogue No. Suffix	Options/Descriptions
<i>1</i>	<i>CR17E</i>	<i>Base Catalogue Number of Electronic DC Interface</i>
<i>2</i>	<i>12 24 48</i>	<i>Input voltage 6...12VDC; output voltage 110...240V50/60Hz Input voltage 24VDC; output voltage 110...240V50/60Hz Input voltage: 35...48VDC; output voltage 110...240V50/60Hz</i>

Accessories Catalogue Number Explanation (continued)

I.) Terminal Lug Kits

CA7 – P – K	*	*
1	2	3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CA7 – P – K</i>	<i>Base Catalogue Number of Terminal Lug Kit</i>
<i>2</i>	<i>No suffix</i> <i>N</i> <i>L</i>	<i>Connection Side</i> <i>Both sides</i> <i>Line side connection (only for CA7-P-KN23)</i> <i>Load side connection (only for CA7-P-KL23)</i>
<i>3</i>	<i>23</i> <i>37</i> <i>43</i> <i>85</i>	<i>Max. AC-1 Current</i> <i>45A</i> <i>60A</i> <i>90A</i> <i>130A</i>

J.) Paralleling Links

CA7 – P – B	*
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CA7 – P – B</i>	<i>Base Catalogue Number of Paralleling Link</i>
<i>2</i>	<i>23</i> <i>37</i>	<i>Max. AC-1 Current</i> <i>100A</i> <i>150A</i>