sprecher+
schuh

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 NV*** ***Pegasus Park*** ***De Kleetlaan 12A*** ***1831 Diegem*** ***Belgium***

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 (incorporating 2015/863)	*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 IEC 60947-4-1:2019+AC:2020-05	*Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters*
EN 60947-5-1:2017+AC:2020-05	*Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices*
EN 60947-5-4:2003+A1:2019	*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 IEC 63000:2018	*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*	*21-Jun-2023*
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*
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-W37 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	-		12		E	-	10	-	U	110E	
1		2	3	4	5		6		7	8	9

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1		*Base Catalogue Number*
	CA7	*IEC Contactor (3-poles and 4-poles)*
	CAS7	*IEC Safety Contactor (3-poles and 4-poles)*
	CAQ7	*IEC Capacitor Switching Contactor (3-poles, Contactor sizes 16 and 37)*
	CAU7	*IEC Reversing Contactor (3-poles)*
	CASU7	*IEC Safety Reversing Contactor (3-poles)*
2		*Terminal Type*
	No suffix	*Screw terminals*
	R	*Spring force terminals*
3		*Contactor Size*
	9, 12, 16, 23	*Frame size 0*
	30, 37, 40	*Frame size 1*
	43, 55	*Frame size 2*
	60, 72, 85, 90, 97	*Frame size 3*
4		*Special Features*
	No suffix	*No special feature*
	S	*Coil with three field wiring terminals (for Contactor sizes 9, 12, 16, 23, 30, 37)*
5		*Coil Specification*
	No suffix	*Designates conventional AC coil*
	C	*Designates conventional DC coil*
	D	*Designates conventional DC coil with integrated bi-directional diode between coil terminals*
	E	*Designates electronically-controlled DC coil*
6	*00, 01, 10*	*Contact Configuration of Contactors (3-poles)*
	M22, M31, M40	*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*
7		*Coil Terminals Position*
	No suffix	*Line side coil terminals*
	U	*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	*One, two or three digits, optionally followed by one or two letters*	*Control Voltage Coil Code (designates coil-voltage and -frequency)* *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"* *DC coil code (conventional DC coil: 9…250VDC). One, two or three digits followed by "C", "D"; additional suffix "D" designates integrated bi-directional diode between coil terminals, additional suffix "S" designates integrated suppressor between coil terminals* *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)* *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)*
9	*Options* *No suffix* *-X2* *-X3* *-F15* *-F16* *-X6*	*No option* *Control wiring provided (Reversing Contactors only)* *Terminal Covers not provided* *Spade connectors provided (Contactors only)* *Spade connectors provided (Contactors only)* *Spade connectors provided (Reversing Contactors only)*

sprecher+schuh

Accessories Catalogue Number Explanation

A.) Auxiliary Contact Blocks

CS7-P	V		-	L		22
1	2	3		4	5	6

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

B.) Pneumatic Timing Modules

CZA7	-	30
1		2

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

Accessories Catalogue Number Explanation (continued)

C.) Electronic Timing Modules

CRZA7	-	180	-24VAC
1		2	3

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

D.) Mechanical Interlocks

CM7		-02
1	2	3

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

E.) Mechanical Latches

CV7	-	11	-	48Z
1		2		3

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*CV7*	*Base Catalogue Number of Mechanical Latch*
2		*Contact Configuration*
	11	*One N.C. contact and one N.O. contact*
3		*Control Voltage Coil Code (designates coil-voltage and -frequency)*
	Two or three digits, followed by an optional letter	*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)

F.) Suppressor Modules

CRC7	-R	-280	
1	2	3	4

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

G.) Electronic DC Interfaces

CRI7E	-	24
1		2

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*CRI7E*	*Base Catalogue Number of Electronic DC Interface*
2		*Operation Voltage Code (designates coil-voltage and -frequency)*
	12	*Input voltage 6…12VDC; output voltage 110…240V50/60Hz*
	24	*Input voltage 24VDC; output voltage 110…240V50/60Hz*
	48	*Input voltage: 35…48VDC; output voltage 110…240V50/60Hz*

H.) Terminal Lug Kits

CA7-P-K	N	23
1	2	3

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

Accessories Catalogue Number Explanation (continued)

I.) Paralleling Links

CA7-P-B	37
1	2

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