sprecher+schuh

UKCA Declaration of Conformity

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

Name and address of the manufacturer:	*Name and address of the authorised representative:*
Rockwell Automation Inc.	***Rockwell Automation Ltd.***
1201 South 2nd Street	***Pitfield***
Milwaukee, WI 53204	***Kiln Farm***
U.S.A.	***Milton Keynes***
	MK11 3DR

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 UK Statutory Instruments (and their amendments):

2016 No. 1101	*Electrical Equipment (Safety) Regulations (LV)*
2016 No. 1091	*Electromagnetic Compatibility Regulations (EMC)*
2012 No. 3032	*Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations (RoHS)*

References to the relevant designated 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 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* *01-April-2022*
Name, function:	*Daniel Baumann, Manager – Product Compliance Engineering*
Signature:	i.V. Daniel Baumann

Catalogue number	*Series* [1]	*Description*	*Statutory Instrument* [2]		
			EMC	*LV*	*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) Products of the series level indicated, as well as succeeding series levels, are certified. If no series letter or number is given, then all series are certified.

2) Yes = Product is certified to this Statutory Instrument.
N/R = This Statutory Instrument is not required for this product.

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

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	*Indicates conventional AC coil*
	C	*Indicates conventional DC coil*
	D	*Indicates conventional DC coil with integrated bi-directional diode between coil terminals*
	E	*Indicates electronically-controlled DC coil*
	Y	*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	*One, two or three digits, optionally followed by one or two letters*	*Control Voltage Coil Code (indicates 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" or "Y"; additional suffix "D" indicates integrated bi-directional diode between coil terminals, additional suffix "S" indicates 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	*No option*
	-X2	*Control wiring provided (Reversing Contactors only)*
	-X3	*Terminal Covers not provided*
	-F15	*Spade connectors provided (Contactors only)*
	-F16	*Spade connectors provided (Contactors only)*
	-X6	*Spade connectors provided (Reversing Contactors only)*

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		*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 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		*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*

C.) Electronic Timing Modules

CRZA7 CRZE7 CRZY7	–	*	–	*
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		*Control Voltage Code (indicates 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)*

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*
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*	*Indicates voltage range*
4	*No suffix*	*Indicates that Suppressor Module is provided with connectors which fit to the coil terminal of the Contactors*
	W	*Indicates that Suppressor Module is provided with wire leads for connection to the coil terminal of the Contactors*

H.) Electronic DC Interfaces

CRI7E	–	*
1		2

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*CRI7E*	*Base Catalogue Number of Electronic DC Interface*
2	*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*

Accessories Catalogue Number Explanation (continued)

I.) Terminal Lug Kits

CA7 – P – K	*	*
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*

J.) Paralleling Links

CA7 – P – B	*
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*