sprecher+
schuh

EU Declaration of Conformity

Product:	***IEC Combination Starters, Reversing Combination Starters***

Name and address of the manufacturer:	*Name and address of the authorised representative:*
Sprecher + Schuh	***Rockwell Automation B.V.***
15910 International Plaza Drive	***Rivium Promenade 160***
Houston, TX 77032	***2909 LM Capelle aan den Ijssel***
U.S.A.	***The Netherlands***

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

Object of the declaration:	***Sprecher + Schuh CL7, CLU7, CL8, CLU8, CK7 and CKU7 Series*** *(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*	*20-Sep-2018*
Name, function:	*Daniel Baumann, Manager – Product ComplianceEngineering*	
Signature:	i.V. Daniel Baumann	

Catalogue number	*Series* [1]	*Description*	*Directive* [2]		
			EMC	*LVD*	*RoHS*
CL7 – * – * – * – * * – * – *		*2 Component IEC "Ecombo" Starters without electronically-controlled DC coil per Nomenclature*	*N/R*	*Yes*	*Yes*
CL8 – * – * – * – * * – * – *		*2 Component IEC "Ecombo" Starters without electronically-controlled DC coil per Nomenclature*	*N/R*	*Yes*	*Yes*
CL7 – * – * – *E – * * – * – *		*2 Component IEC "Ecombo" Starters with electronically-controlled DC coil per Nomenclature*	*Yes*	*Yes*	*Yes*
CK7 – * – * – * – * * – * – *		*2 Component IEC "EcomboPlus" Starters without electronically-controlled DC coil per Nomenclature*	*N/R*	*Yes*	*Yes*
CK7 – * – * – *E – * * – * – *		*2 Component IEC "EcomboPlus" Starters with electronically-controlled DC coil per Nomenclature*	*Yes*	*Yes*	*Yes*
CLU7 – * – * – * – * * – * – *		*2 Component IEC "Ecombo" Reversing Starters without electronically-controlled DC coil per Nomenclature*	*N/R*	*Yes*	*Yes*
CLU8 – * – * – * – * * – * – *		*2 Component IEC "Ecombo" Reversing Starters without electronically-controlled DC coil per Nomenclature*	*N/R*	*Yes*	*Yes*
CLU7 – * – * – *E – * * – * – *		*2 Component IEC "Ecombo" Reversing Starters with electronically-controlled DC coil per Nomenclature*	*Yes*	*Yes*	*Yes*
CKU7 – * – * – * – * * – * – *		*2 Component IEC "EcomboPlus" Reversing Starters without electronically-controlled DC coil per Nomenclature*	*N/R*	*Yes*	*Yes*
CK7U – * – * – *E – * * – * – *		*2 Component IEC "EcomboPlus" Reversing Starters with electronically-controlled DC coil per Nomenclature*	*Yes*	*Yes*	*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 Combination Starters, Reversing Combination Starters
Catalogue Number Explanation

CL7 **CL8** **CK7** **CLU7** **CLU8** **CKU7**	**-**	*****	**-**	*****	**-**	*****	**-**	*****	*****	**-**	*****	**-***
1		**2**		**3**		**4**		**5**	**6**		**7**	**8**

Position	***Catalogue No. Suffix***	***Options/Descriptions***
1		*Base Catalogue Number*
	CL7, CL8	*2 Component IEC "Ecombo" Starter (max. 25A)*
	CK7	*2 Component IEC "EcomboPlus" Starter (up to 45A)*
	CLU7, CLU8	*2 Component IEC "Ecombo" Reversing Starter (max. 25A)*
	CKU7	*2 Component IEC "EcomboPlus" Reversing Starter (max. 25A)*
2		*Contactor Size*
	05	*CA8 – 05(C) for CL8; CAU8 – 05(C) for CLU8*
	09	*CA8 – 09(C) for CL8; CAU8 – 09(C) for CLU8*
	9	*CA7 – 9(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 9(C), (D), (E), (Y) for CLU7, CKU7*
	12	*CA7 – 12(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 12(C), (D), (E), (Y) for CLU7, CKU7; CA8 – 12(C) for CL8; CAU8 – 12(C) for CLU8*
	16	*CA7 – 16(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 16(C), (D), (E), (Y) for CLU7, CKU7*
	23	*CA7 – 23(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 23(C), (D), (E), (Y) for CLU7, CKU7*
	30	*CA7 – 30(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 30(C), (D), (E), (Y) for CLU7, CKU7*
	37	*CA7 – 37(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 37(C), (D), (E), (Y) for CLU7, CKU7*
	43	*CA7 – 43(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 43(C), (D), (E), (Y) for CLU7, CKU7*
	55	*CA7 – 55(C), (D), (E), (Y) for CL7, CK7; CAUM7 – 55(C), (D), (E), (Y) for CLU7, CKU7*
3		*Auxiliary Contact Configuration of Contactor*
	01	*One N.C. contact*
	10	*One N.O. contact*
	11	*One N.O. contact and one N.C. contact*
	20	*Two N.O. contacts*
	02	*Two N.C. contacts*
	12	*One N.O. contact and two N.C. contacts*
	21	*Two N.O. contacts and one N.C. contact*
	03	*Three N.C. contacts*
	32	*Three N.O. contacts and two N.C. contacts*

IEC Combination Starters, Reversing Combination Starters (continued)

Position	*Catalogue No. Suffix*	*Options/Descriptions*
4	*Direct indication of the coil voltages on the bobbin (e.g. 24VDC) and/or various combinations of numbers with or without letters shown on the labels of the starter, on the device carton or catalogue*	*Coil code (Indicates coil – voltage and – frequency, with or without integrated bi-directional diode or varistor integrated between the coil terminals)* *AC coil code (conventional coil: 12…550V50 Hz)* *AC coil code (conventional coil: 12…600V60 Hz)* *AC coil code (conventional coil: 12…415V50/60Hz, double frequency)* *DC coil code (conventional coil: 9…250VDC)* *DC coil code (electronically controlled coil: 24…250VDC)* *DC coil code (double winding coil: 9…110VDC)*
5		*Code for Motor or Transformer Protection Circuit Breaker*
	AS	*KTA7 standard performance motor circuit beaker*
	AH	*KTA7 high performance motor circuit beaker*
	CS	*KTC7 standard performance transformer circuit beaker*
	CH	*KTC7 high performance transformer circuit beaker*
6	*Direct indication of upper value of adjustment range (e.g. 2.5A)*	*Motor/transformer current range* *0.1A…45A in 15 adjustment ranges*
7		*Auxiliary and Trip Indication Contacts Configuration of Circuit Breaker*
	X	*No auxiliary contact*
		Front Mount Auxiliary and Trip Indication Contact
	A01	*One N.C. auxiliary contact*
	A10	*One N.O. auxiliary contact*
	A11	*One N.O. auxiliary and one N.C. auxiliary contact*
	A20	*Two N.O. auxiliary contacts*
	A02	*Two N.C. auxiliary contacts*
	T10A01	*One N.O. magnetic and thermal trip indication contact and one N.C. auxiliary contact*
	T10A10	*One N.O. magnetic and thermal trip indication contact and one N.O. auxiliary contact*
		Side Mount Auxiliary and Trip Indication Contact
	AS11	*One N.O. auxiliary and one N.C. auxiliary contact*
	AS20	*Two N.O. auxiliary contacts*
	R10	*One N.C. magnetic and thermal trip indication contact and one N.O. auxiliary contact*
	R11	*One N.C. magnetic and thermal trip indication contact and one N.C. auxiliary contact*

IEC Combination Starters, Reversing Combination Starters (continued)

Position	*Catalogue No. Suffix*	*Options/Descriptions*
8		*Options (may be combined with "–")*
	TE or TE1	*Spacer module*
	KN	*Lockable twist knob (black)*
	KRY	*Lockable twist knob (red/yellow)*
		Additional Side Mount Auxiliary Contact Configuration for Contactor
	S01	*One N.C. contact*
	S10	*One N.O. contact*
	S11	*One N.O. contact and one N.C. contact*
	S20	*Two N.O. contacts*
		Additional Front Mount Auxiliary Contact Configuration for Contactor
	F11	*One N.O. contact and one N.C. contact*
	F20	*Two N.O. contacts*
	F22	*Two N.O. contacts and two N.C. contacts*
		Additional Side Mount Auxiliary Contact Configuration for Circuit Breaker
	AS02	*Two N.C. contacts*
	AS20	*Two N.O. contacts*
	AS11	*One N.O. contact and one N.C. contact*
		Additional Side Mount Trip Indication Contact Configuration for Circuit Breaker
	R00	*One N.O. magnetic and thermal trip indication contact and one N.O. magnetic trip indication contact*
	R01	*One N.O. magnetic and thermal trip indication contact and one N.C. magnetic trip indication contact*
	R10	*One N.C. magnetic and thermal trip indication contact and one N.O. magnetic trip indication contact*
	R11	*One N.C. magnetic and thermal trip indication contact and one N.C. magnetic trip indication contact*
	M11	*One N.C. magnetic trip indication contact and one N.O. magnetic trip indication contact*
		Additional Accessories
	JE	*Electronic Interface*
	D	*Surge Suppressor with diode*
	R	*Surge Suppressor with RC*
	V	*Surge Suppressor with varistor*
	Z	*Surge Suppressor with bi-directional diode*
	SP	*Socket and Plug for control circuit*
	W	*Mounting module*
	X	*Reversing Starter without Mechanical Interlock*