

## *EU Declaration of Conformity*

<b>Product:</b>		<b>IEC Control Relays, Safety Control Relays and Accessories</b>
<b>Name and address of the manufacturer:</b>		<b>Name and address of the authorised representative:</b>
<b>Sprecher + Schuh</b>		<b>Rockwell Automation B.V.</b>
<b>15910 International Plaza Drive</b>		<b>Rivium Promenade 160</b>
<b>Houston, TX 77032</b>		<b>2909 LM Capelle aan den IJssel</b>
<b>U.S.A.</b>		<b>The Netherlands</b>
<b>This declaration of conformity is issued under the sole responsibility of the manufacturer.</b>		
<b>Object of the declaration:</b>		<b>Sprecher + Schuh CS(S)7 Series and Accessories</b> (reference the attached list of catalogue numbers)
<b>The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:</b>		
2014/35/EU	Low Voltage Directive	(LVD)
2014/30/EU	EMC Directive	(EMC)
2011/65/EU	RoHS Directive	(RoHS)
<b>References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:</b>		
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	
<b>Signed for and on behalf of the above named manufacturer:</b>		
<b>Place and date of issue:</b>	Aarau, Switzerland	11-Sep-2018
<b>Name, function:</b>	Daniel Baumann, Manager – Product Compliance Engineering	
<b>Signature:</b>	i.V. <u>Daniel Baumann</u>	

Catalogue number	Series <sup>1</sup>	Description	Directive <sup>2</sup>		
			EMC	LVD	RoHS
CS(S)7* – * * * * * * * – * * * *		IEC (Safety) Control Relays with conventional coil per Nomenclature	N/R	Yes	Yes
CS(S)7E – * * * * * * * – * * * *		IEC (Safety) Control Relays with electronically-controlled DC coil per Nomenclature	Yes	Yes	Yes
<b>Accessories</b>					
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
CA7 – SC2		Spade Connectors	N/R	N/R	Yes
CA7 – SCC		Protective Covers	N/R	N/R	Yes
CA7 – SCF					
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 Control Relays and Safety Control Relays Catalogue Number Explanation***

<b>CS7</b>	*	–	*	*	*	*	*	*	*	–	*	*	*
<b>CSS7</b>													
<b>1</b>	<b>2</b>		<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>		<b>10</b>	<b>11</b>	<b>12</b>

<b>Position</b>	<b>Catalogue No. Suffix</b>	<b>Options/Descriptions</b>
<i>1</i>	<i>CS7</i> <i>CSS7</i>	<i>Base Catalogue Number</i> <i>IEC Control Relay</i> <i>IEC Safety Control Relay</i>
<i>2</i>	<i>No suffix</i> <i>C</i> <i>D</i> <i>E</i>	<i>Coil Specification</i> <i>Indicates conventional AC coil or Double Winding DC Coil</i> <i>Indicates conventional DC coil</i> <i>Indicates conventional DC coil with integrated bi-directional diode between coil terminals</i> <i>Indicates electronically-controlled DC coil</i>
<i>3</i>	<i>No suffix</i> <i>R</i>	<i>Terminal Type</i> <i>Screw type</i> <i>Spring force terminals</i>
<i>4</i>	<i>No suffix</i> <i>B</i> <i>M</i>	<i>Contact Type</i> <i>Standard contacts</i> <i>Bifurcated contacts</i> <i>Master Control Relay contacts</i>
<i>5</i>	<i>Two digits</i>	<i>Contact Configuration of Control Relay</i> <i>First digit indicates number of N.O. contacts</i> <i>Second digit indicates number of N.C. contacts</i>
	<i>Two digits</i>	<i>Contact Configuration of Safety Control Relay with front mounted Auxiliary Contact Block</i> <i>First digit indicates number of N.O. contacts</i> <i>Second digit indicates number of N.C. contacts</i>
<i>6</i>	<i>No suffix</i> <i>E</i>	<i>Terminal Markings</i> <i>Standard</i> <i>According to European Standard</i>
<i>7</i>	<i>No suffix</i> <i>C</i>	<i>Latch Clip</i> <i>No Latch Clip provided</i> <i>Indicates that the Safety Control Relay is provided with a Latch Clip which serves to prevent from taking apart the Safety-Auxiliary Contact Block by hand</i>
<i>8</i>	<i>No suffix</i> <i>S</i>	<i>Special Features</i> <i>No special feature</i> <i>Coil with three field wiring terminals</i>
<i>9</i>	<i>No suffix</i> <i>Y</i> <i>Y-D00, Y-D01, Y-D10,</i> <i>Y-D00G, Y-D01G,</i> <i>Y-D10G</i>	<i>Coil Type</i> <i>Standard coil</i> <i>Double Winding DC Coil and front mounted Auxiliary Contact Block</i> <i>Double Winding DC Coil and side mounted Auxiliary Contact Block with integrated coil switch-over contact and optional Auxiliary Contact.</i> <i>Suffix “G” indicates that the coil switch-over contact is mounted to the left side of the Control Relay; no suffix at this position indicates that the coil switch-over contact is mounted to the right side of the Control Relay</i>

***IEC Control Relays and Safety Control Relays Catalogue Number Explanation  
(continued)***

<b><i>Position</i></b>	<b><i>Catalogue No. Suffix</i></b>	<b><i>Options/Descriptions</i></b>
<i>10</i>	<i>No suffix U</i>	<i>Coil Terminals Position Line side coil terminals Load side coil terminals (bottom)</i>
<i>11</i>	<i>One, two or three digits, optionally followed by one or two letters</i>	<i>Control Voltage Coil Code (indicates coil-voltage and -frequency) AC coil code (conventional coil: 12...550V50Hz; 12...600V60Hz; 24...440V50/60Hz). Two or three digits, optionally followed by "A", "B", "W" or "Z" DC coil code (conventional coil: 9...250VDC). One, two or three digits followed by "C" or "D"; 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" DC coil code (electronically-controlled DC coil with reduced drop-out time: 12...250VDC). Two or three digits followed by "Q" DC coil code (Double Winding DC Coil: 9...110VDC). One, two or three digits, optionally followed by one or two letters</i>
<i>12</i>	<i>No suffix -X3</i>	<i>Options No option Terminal Covers not provided</i>

## *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

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
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 Contactors of 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*

<b>CZA7</b>		
<b>CZE7</b>	–	*
<b>1</b>		<b>2</b>

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

### *C.) Electronic Timing Modules*

<b>CRZA7</b>				
<b>CRZE7</b>	–	*	–	*
<b>CRZY7</b>				
<b>1</b>		<b>2</b>		<b>3</b>

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

## *Accessories Catalogue Number Explanation (continued)*

### *D.) Rectifier Modules*

<b>CA7 – SF47</b>	<b>*</b>
<b>1</b>	<b>2</b>

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

### *E.) Mechanical Interlocks*

<b>CM7</b>	<b>–</b>	<b>*</b>	<b>–</b>	<b>*</b>
<b>1</b>		<b>2</b>		<b>3</b>

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

### *F.) Mechanical Latches*

<b>CV7</b>	<b>–</b>	<b>11</b>	<b>–</b>	<b>*</b>
<b>1</b>		<b>2</b>		<b>3</b>

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CV7</i>	<i>Base Catalogue Number of Mechanical Latch</i>
<i>2</i>	<i>11</i>	<i>Contact Configuration One N.C. contact and one N.O. contact</i>
<i>3</i>	<i>Two or three digits, followed by an optional letter</i>	<i>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)</i>

## *Accessories Catalogue Number Explanation (continued)*

### *G.) Suppressor Modules*

<b>CRC7</b>				
<b>CRD7</b>	<b>–</b>	<b>*</b>	<b>*</b>	<b>*</b>
<b>CRV7</b>				
<b>1</b>		<b>2</b>	<b>3</b>	<b>4</b>

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CRC7</i> <i>CRD7</i> <i>CRV7</i>	<i>Base Catalogue Number</i> <i>Suppressor Module, RC Module</i> <i>Suppressor Module, Diode Module</i> <i>Suppressor Module, Varistor Module</i>
<i>2</i>	<i>No suffix</i> <i>R</i>	<i>Terminal Type</i> <i>For Control Relays with screw terminals</i> <i>For Control Relays 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</i>  <i>W</i>	<i>Indicates that Suppressor Module is provided with connectors which fit to the coil terminal of the Control Relay</i> <i>Indicates that Suppressor Module is provided with wire leads for connection to the coil terminal of the Control Relay</i>

### *H.) Electronic DC Interfaces*

<b>CRI7E</b>	<b>–</b>	<b>*</b>
<b>1</b>		<b>2</b>

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CRI7E</i>	<i>Base Catalogue Number of Electronic DC Interface</i>
<i>2</i>	<i>12</i> <i>24</i> <i>48</i>	<i>Input voltage 6...12VDC; output voltage 110...240V50/60Hz</i> <i>Input voltage 24VDC; output voltage 110...240V50/60Hz</i> <i>Input voltage: 35...48VDC; output voltage 110...240V50/60Hz</i>