

EU Declaration of Conformity

Product:		IEC Control Relays and Accessories
Name and address of the manufacturer:		Name and address of the authorised representative:
Sprecher + Schuh 15910 International Plaza Drive Houston, TX 77032 U.S.A.		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 CS8 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 60947-5-1:2004+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	12-Sep-2018
Name, function:	Daniel Baumann, Manager – Product Compliance Engineering	
Signature:	i.V. <u>Daniel Baumann</u>	

<i>Catalogue number</i>	<i>Series ¹</i>	<i>Description</i>	<i>Directive ²</i>		
			<i>EMC</i>	<i>LVD</i>	<i>RoHS</i>
CS8 * – * * * * * – *		<i>IEC Control Relays per Nomenclature</i>	<i>N/R</i>	<i>Yes</i>	<i>Yes</i>
<i>Accessories</i>					
CS8 – P * * * *		<i>Front Mounted Auxiliary Contact Blocks per Nomenclature</i>	<i>N/R</i>	<i>Yes</i>	<i>Yes</i>
CS8 – RP * * * *					
CR*8 – *		<i>Suppressor Modules per Nomenclature</i>	<i>N/R</i>	<i>Yes</i>	<i>Yes</i>
CRZE8 – * – *		<i>Solid-State Timing Elements per Nomenclature</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
CM8		<i>Mechanical Interlock</i>	<i>N/R</i>	<i>N/R</i>	<i>Yes</i>
CA7 – FMS		<i>Marking Systems: Label Sheet, self-adhesive paper label</i>	<i>N/R</i>	<i>N/R</i>	<i>Yes</i>
V7 – SM6X12		<i>Marking Systems: Snap-in Marker Card</i>			

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:

Control Relays Catalogue Number Explanation

CS8	*	-	*	*	*	*	-	*	*
1	2		3	4	5	6		7	8

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CS8</i>	<i>Base Catalogue Number Control Relay</i>
<i>2</i>	<i>No suffix C</i>	<i>Coil Voltage Suffix Code AC Voltage DC Voltage</i>
<i>3</i>	<i>No suffix R</i>	<i>Terminal Type Screw terminals Spring force terminals</i>
<i>4</i>	<i>No suffix L M</i>	<i>Contact Configuration No early make and no late break contacts are provided One early make N.O. contact and one late break N.C. contact are provided Alternate contacts are provided</i>
<i>5</i>	<i>Two digits</i>	<i>Contact Configuration First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts</i>
<i>6</i>	<i>E Z</i>	<i>Terminal Classification According to European standards According to manufacturer's specifications</i>
<i>7</i>	<i>Several digits and letters</i>	<i>Control Voltage Coil Code (indicates coil-voltage and -frequency) AC coil code (conventional coil: 110...525V50Hz), may be followed by letter code "Z" AC coil code (conventional coil: 120...600V60Hz), may be followed by letter code "Z" AC coil code (conventional coil: 12...415V50/60Hz, double frequency), may be followed by letter code "Z" DC coil code (conventional coil: 9...250VDC), followed by letter code "D"</i>
<i>8</i>	<i>No suffix D V</i>	<i>Option No option Indicates bi-directional diode, integrated between the supply terminals Indicates varistor, integrated between the supply terminals</i>

Accessories Catalogue Number Explanation

A.) Front-Mounted Auxiliary Contact Blocks

CS8 – P	*	*	*	*
CS8 – RP	*	*	*	*
1	2	3	4	5

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CS8 – P</i> <i>CS8 – RP</i>	<i>Base Catalogue Number</i> <i>Front Mounted Auxiliary Contact Block with screw terminals</i> <i>Front Mounted Auxiliary Contact Block with spring force terminals</i>
<i>2</i>	<i>No suffix</i> <i>L</i>	<i>Contact Configuration</i> <i>No early make contacts and no late break contacts are provided</i> <i>One early closing N.O. contact and one late opening N.C. contact</i>
<i>3</i>	<i>Blank</i>	<i>Bifurcated contact construction with silver contacts</i>
<i>4</i>	<i>Two digits</i>	<i>Contact Configuration</i> <i>First digit indicates number of N.O. contacts</i> <i>Second digit indicates number of N.C. contacts</i>
<i>5</i>	<i>No suffix</i> <i>E</i> <i>Z</i>	<i>Terminal Classification</i> <i>No classification</i> <i>According to European standards</i> <i>According to manufacturer's specifications</i>

B.) Suppressor Modules

CR*8	-	*
1		2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CRC8</i> <i>CRD8</i> <i>CRV8</i> <i>CRZ8</i>	<i>Base Catalogue Number of Suppressor Module</i> <i>RC-Module</i> <i>Diode-Module</i> <i>Varistor-Module</i> <i>Bi-directional Diode-Module</i>
<i>2</i>	<i>Two or three digits</i>	<i>Indicates voltage range</i>

Accessories Catalogue Number Explanation (continued)

C.) Solid-State Timing Elements

CRZE8	-	*	-*
1		2	3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>CRZE8</i>	<i>Base Catalogue Number of Solid-State Timing Element</i>
<i>2</i>	<i>3S</i> <i>30S</i>	<i>Function, Time Range</i> <i>On-delay timer, 0.1 ... 3s</i> <i>On-delay timer, 1 ... 30s</i>
<i>3</i>	<i>No suffix</i> <i>48V</i>	<i>Control Voltage</i> <i>110 ... 250V AC or DC</i> <i>48V AC or DC</i>