

## *EU Declaration of Conformity*

---

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

---

<b>Name and address of the manufacturer:</b> <b>Rockwell Automation Inc.</b> <b>1201 South 2nd Street</b> <b>Milwaukee, WI 53204</b> <b>U.S.A.</b>	<b>Name and address of the authorised representative:</b> <b>Rockwell Automation NV</b> <b>Pegasus Park</b> <b>De Kleetlaan 12A</b> <b>1831 Diegem</b> <b>Belgium</b>
--	--

---

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

---

**Object of the declaration:** **Allen-Bradley 100-C, 100S-C, 100Q-C, 104-C, 104S-C 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 60947-4-1:2010+A1:2012	Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters
EN 60947-5-1:2017	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:*

<b>Place and date of issue:</b>	Aarau, Switzerland	20-May-2021
<b>Name, function:</b>	Daniel Baumann, Manager – Product Compliance Engineering	
<b>Signature:</b>	i.V. <i>Daniel Baumann</i>	

---

Catalogue number	Series <sup>1</sup>	Description	Directive <sup>2</sup>		
			EMC	LVD	RoHS
100*-C*****		IEC Contactors with conventional coil per Nomenclature	N/R	Yes	Yes
100*-C****E****		IEC Contactors with electronically-controlled DC coil per Nomenclature	Yes	Yes	Yes
100*-C****Q****		IEC Contactors with electronically-controlled DC coil per Nomenclature	Yes	Yes	Yes
104*-C*****		IEC Reversing Contactors with conventional coil per Nomenclature	N/R	Yes	Yes
104*-C****E****		IEC Reversing Contactors with electronically-controlled DC coil per Nomenclature	Yes	Yes	Yes
104*-C****Q****		IEC Reversing Contactors with electronically-controlled DC coil per Nomenclature	Yes	Yes	Yes
<b>Accessories</b>					
100*-F****		Front Mounted Auxiliary Contact Blocks per Nomenclature	N/R	Yes	Yes
100-S***		Side Mounted Auxiliary Contact Blocks per Nomenclature	N/R	Yes	Yes
100-FPT**		Pneumatic Timing Modules per Nomenclature	N/R	N/R	Yes
100-ET***		Electronic Timing Modules per Nomenclature	Yes	Yes	Yes
100-MC**		Mechanical Interlocks per Nomenclature	N/R	Yes	Yes
100-FL**		Mechanical Latches per Nomenclature	N/R	Yes	Yes
100-*FS***		Suppressor Modules per Nomenclature	N/R	Yes	Yes
100-JE*		Electronic DC Interfaces per Nomenclature	Yes	Yes	Yes
105-PW23 105-PW37 105-PW55 105-PW85 105-PW97		Reversing Power Wiring Kits	N/R	N/R	Yes
170-PW23 170-PW37 170-PW55 170-PW72 170-PW85 170-PW97		Wye-Delta/Star-Delta Starter Wiring Kits	N/R	N/R	Yes
100-CT**		Terminal Lug Kits per Nomenclature	N/R	Yes	Yes
100-CP*		Paralleling Links per Nomenclature	N/R	Yes	Yes
100-SCCA 100-SCFA		Protective Covers	N/R	N/R	Yes
100-S0 100-S9		Dovetail Connectors	N/R	N/R	Yes
100-FMS 100-FMP 100-FMC 100-FMA1 100-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***

<b>100S-C</b>		<b>09</b>		<b>U</b>	<b>EJ</b>	<b>14</b>	<b>BC</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>Position</b>	<b>Catalogue No. Suffix</b>	<b>Options/Descriptions</b>
<i>1</i>	<i>100-C</i> <i>100S-C</i> <i>100Q-C</i>  <i>104-C</i> <i>104S-C</i>	<i>Base Catalogue Number</i> <i>IEC Contactor (3-poles and 4-poles)</i> <i>IEC Safety Contactor (3-poles and 4-poles)</i> <i>IEC Capacitor Switching Contactor (3-poles, contactor sizes 16 and 37)</i> <i>IEC Reversing Contactor (3-poles)</i> <i>IEC Safety Reversing Contactor (3-poles)</i>
<i>2</i>	<i>No suffix</i> <i>R</i>	<i>Terminal Type</i> <i>Screw terminals</i> <i>Spring force terminals</i>
<i>3</i>	<i>09, 12, 16, 23</i> <i>30, 37, 40</i> <i>43, 55</i> <i>60, 72, 85, 90, 97</i>	<i>Contactor Size</i>
<i>4</i>	<i>No suffix</i> <i>S</i>	<i>Function or Layout</i> <i>Nothing specified</i> <i>Coil with three field wiring terminals (for Contactor sizes 9, 12, 16, 23, 30, 37)</i>
<i>5</i>	<i>No suffix</i> <i>U</i>	<i>Coil Terminals Position</i> <i>Line side coil terminals</i> <i>Load side coil terminals (bottom)</i>
<i>6</i>	<i>One, two or three letters</i>	<i>Control Voltage Coil Code (designates coil-voltage and -frequency)</i> <i>AC coil code (conventional AC coil: 12...550V50Hz)</i> <i>AC coil code (conventional AC coil: 12...600V60Hz)</i> <i>AC coil code (conventional AC coil: 24...415V50/60Hz, double frequency)</i> <i>DC coil code (conventional DC coil: 9...250VDC). Two letter code starting with "Z" or "D"; "D" designates integrated bi-directional diode between coil terminals</i> <i>DC coil code (electronically-controlled DC coil: 12...250VDC). Two letter code starting with "E"(contactor sizes 09, 12, 16, 23, 30, 37, 40, 43, 55)</i> <i>DC coil code (electronically-controlled DC coil with reduced drop-out time: 12...250VDC). Two letter code starting with "Q" (contactor sizes 09, 12, 16, 23, 30, 37, 40, 43, 55)</i> <i>DC coil code (Double Winding Coil: 9...110VDC). Two letter code starting with "Y"</i>

## *IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing Contactors Catalogue Number Explanation (continued)*

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
7	00, 01, 02, 10, 11, 13, 14, 22, 23, 31, 32 200, 300, 400	Contact Configuration of Contactors (3-poles)  Contact Configuration of Contactors (4-poles)
	02, 03, 04, 05, 11, 12, 13, 14, 21, 22, 23, 30, 31, 32, 40, 41, 50, 204, 222, 302, 304, 311, 313, 322, 331, 402, 404, 405, 411, 413, 414, 422, 423, 431, 432	Contact Configuration of Safety Contactors
	11, 20	Contact Configuration of Capacitor Switching Contactors
	02, 22	Contact Configuration of Reversing Contactors
	008, 010, 012, 210	Contact Configuration of Safety Reversing Contactors
	-D00, -D01, -D02, -D10, -D11, -D20, -E00, -E01, -E10, -D00G, -D01G, -D02G, -D10G, -D11G, -D20G, -E00G, -E01G, -E10G, -200-D00, -300-D00, -400-D00, -200-D01, -300-D01, -400-D01, -200-D10, -300-D10, -400-D10, -200-D00G, -300-D00G, -400-D00G, -200-D01G, -300-D01G, -400-D01G, -200-D10G, -300-D10G, -400-D10G	Contact Configuration of Contactors with Double Winding Coil (prefix "Y") Prefix "D" is for contactors of sizes 09, 12, 16, 23 Prefix "E" is for contactors of sizes 30, 37, 43, 55  Suffix "G" designates that the coil switch-over contact is mounted to the left side of contactor; no suffix at this position designates that the coil switch-over contact is mounted to the right side of 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 09, 12, 16, 23 Prefix "E" is for reversing contactors of sizes 30, 37, 43, 55	
8	No suffix C	Regular Auxilliary Contact Block Auxiliary Contact Block on Safety (Reversing) Contactors with standard moveable contacts
	BC	Auxiliary Contact Block on Safety (Reversing) Contactors with bifurcated moveable contacts
9	No suffix	Options (may be combined with "-") No option
	X1	Coil terminal entry from the side
	-X2	Control wiring provided (Reversing Contactors only)
	-X3	Terminal Covers not provided
	-X6	Spade connectors provided (Reversing Contactors only)
	X50	Customized specific option
	-15	Spade connectors provided (Contactors only)
	-16	Spade connectors provided (Contactors only)
	M	Multipack
	19B	Omit power wiring kit (Reversing Contactors only)

## *Accessories Catalogue Number Explanation*

### *A.) Front Mounted Auxiliary Contact Blocks*

<b>100S-F</b>	<b>A</b>	<b>B</b>		<b>31</b>	<b>T</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>100-F 100-CRF 100S-F 100S-CRF</i>	<i>Base Catalogue Number Front Mounted Auxiliary Contact Block with screw terminals Front Mounted Auxiliary Contact Block with spring force terminals Front Mounted Safety Auxiliary Contact Block with screw terminals Front Mounted Safety Auxiliary Contact Block with spring force terminals</i>
<i>2</i>	<i>A  B  C</i>	<i>Terminal Identification Starting with digit "5" (preferably for use with 700(S)-CF Contactor relays) Starting with digit "1" (preferably for use with 100(S)-C Contactors and 104(S)-C Reversing Contactors) Starting with digit "2" (preferably for use with 100-C Contactors and 104-C Reversing Contactors)</i>
<i>3</i>	<i>No suffix B</i>	<i>Auxiliary Contact Block Auxiliary Contact Block with standard moveable contacts Auxiliary Contact Block with bifurcated moveable contacts</i>
<i>4</i>	<i>No suffix L LL</i>	<i>Contact Configuration Standard contacts One early make N.O. contact and one late brake N.C. contact Two early make N.O. contacts and two late brake N.C. contacts</i>
<i>5</i>	<i>Two digits</i>	<i>Contact Configuration First digit designates number of N.O. contacts Second digit designates number of N.C. contacts</i>
<i>6</i>	<i>No suffix T</i>	<i>Application Type Standard application For "Tire and rubber" application (100(S)-FAB...T only)</i>

## *Accessories Catalogue Number Explanation (continued)*

### *B.) Side Mounted Auxiliary Contact Blocks*

<b>100-S</b>	<b>B</b>	<b>L</b>	<b>11</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>100-S</i>	<i>Base Catalogue Number of Side Mounted Auxiliary Contact Block</i>
<i>2</i>	<i>A</i> <i>B</i> <i>D</i>	<i>Terminal Identification</i> <i>Starting with a blank space which is filled out according to customer's need (preferably for use with 700-CF Contactor Relays)</i> <i>Starting with digit "1", except 100-SB01 which is starting with digit "2" (preferably for use with Contactors of size 40, 43, 55, 60, 72, 85, 90)</i> <i>Starting with digit "2" (preferably for use with Contactors of size 09, 12, 16, 23, 30, 37)</i>
<i>3</i>	<i>No suffix</i> <i>L</i>	<i>Contact Configuration</i> <i>Standard contacts</i> <i>One early make N.O. contact and one late brake N.C. contact</i>
<i>4</i>	<i>Two digits</i>	<i>Contact Configuration</i> <i>First digit designates number of N.O. contacts</i> <i>Second digit designates number of N.C. contacts</i>

### *C.) Pneumatic Timing Modules*

<b>100-FPT</b>	<b>A</b>	<b>30</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>100-FPT</i>	<i>Base Catalogue Number of Pneumatic Timing Module</i>
<i>2</i>	<i>A</i> <i>B</i>	<i>Delay Type</i> <i>On-delay</i> <i>Off-delay</i>
<i>3</i>	<i>30</i> <i>180</i>	<i>Time Range</i> <i>0.3...30s</i> <i>1.8...180s</i>

## *Accessories Catalogue Number Explanation (continued)*

### *D.) Electronic Timing Modules*

<b>100-ET</b>	<b>B</b>	<b>KJ</b>	<b>3</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>100-ET</i>	<i>Base Catalogue Number of Electronic Timing Module</i>
<i>2</i>	<i>A</i> <i>B</i> <i>Y</i>	<i>Delay Type</i> <i>On-delay</i> <i>Off-delay</i> <i>Control for star-delta starting</i>
<i>3</i>	<i>No suffix</i>  <i>KJ</i> <i>ZJ</i>	<i>Operation Voltage</i> <i>110...240V50/60Hz and 110...250VDC (for 100-ETA)</i> <i>110...240V50/60Hz (for 100-ETB and 100-ETY)</i> <i>24V50/60Hz (for 100-ETB)</i> <i>24...48VDC (for 100-ETA)</i>
<i>4</i>	<i>3</i>  <i>30</i> <i>180</i>	<i>Time Range</i> <i>0.1...3s (for 100-ETA)</i> <i>0.3...3s (for 100-ETB)</i> <i>1...30s</i> <i>10...180s</i>

### *E.) Mechanical Interlocks*

<b>100-MC</b>	<b>A</b>	<b>00</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>100-MC</i>	<i>Base Catalogue Number of Mechanical Interlock</i>
<i>2</i>	<i>A</i> <i>B</i> <i>C</i>	<i>Terminal Designation</i> <i>21-22, 21-22 or none (no contacts provided)</i> <i>55-56, 65-66</i> <i>21-22, 31-32</i>
<i>3</i>	<i>00</i> <i>02</i>	<i>Contact Configuration</i> <i>No contacts provided</i> <i>Two N.C. contacts provided</i>

## *Accessories Catalogue Number Explanation (continued)*

### *F.) Mechanical Latches*

<b>100-FL</b>	<b>11</b>	<b>K</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>100-FL</i>	<i>Base Catalogue Number of Mechanical Latch</i>
<i>2</i>	<i>11</i>	<i>One N.C. and one N.O. contact</i>
<i>3</i>	<i>One or two letters</i>	<i>Control Voltage Coil Code (designates coil-voltage and -frequency)</i> <i>AC coil code (conventional AC coil: 24...440V50Hz)</i> <i>AC coil code (conventional AC coil: 24...480V60Hz)</i>

### *G.) Suppressor Modules*

<b>100-FS</b>	<b>C</b>	<b>48</b>	<b>W</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>100-FS</i> <i>100-CRFS</i>	<i>Base Catalogue Number</i> <i>Suppressor Module for use with Contactors with screw terminals</i> <i>Suppressor Module for use with Contactors with spring force terminals</i>
<i>2</i>	<i>C</i> <i>D</i> <i>V</i>	<i>Module Type</i> <i>RC-Module</i> <i>Diode-Module</i> <i>Varistor-Module</i>
<i>3</i>	<i>Two or three digits</i>	<i>Designates voltage range</i>
<i>4</i>	<i>No suffix</i>  <i>W</i>	<i>Designates that Suppressor Module is provided with connectors which fit to the coil terminal of the contactors</i>  <i>Designates that Suppressor Module is provided with wire leads for connection to the coil terminal of the contactors</i>

### *H.) Electronic DC Interfaces*

<b>100-JE</b>	<b>12</b>
<b>1</b>	<b>2</b>

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>100-JE</i>	<i>Base Catalogue Number of Electronic DC Interface</i>
<i>2</i>	<i>No suffix</i> <i>12</i> <i>24KN</i> <i>48</i>	<i>Input voltage 24VDC; output voltage 110...240V50/60Hz</i> <i>Input voltage 6...12VDC; output voltage 110...240V50/60Hz</i> <i>Input voltage 24VDC; output voltage 110...400V50/60Hz</i> <i>Input voltage 35...48VDC; output voltage 110...240V50/60Hz</i>



## *Accessories Catalogue Number Explanation (continued)*

### *I.) Terminal Lug Kits*

<b>100-CT</b>	<b>N</b>	<b>23</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>100-CT</i>	<i>Base Catalogue Number of Terminal Lug Kit</i>
<i>2</i>	<i>No suffix</i> <i>N</i> <i>L</i>	<i>Connection Side</i> <i>Line or load side</i> <i>Line side (only for 100-CTN23)</i> <i>Load side (only for 100-CTL23)</i>
<i>3</i>	<i>23</i> <i>37</i> <i>43</i> <i>85</i>	<i>Max. AC-1 Current</i> <i>45A</i> <i>60A</i> <i>90A</i> <i>130A</i>

### *J.) Paralleling Links*

<b>100-CP</b>	<b>23</b>
<b>1</b>	<b>2</b>

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>100-CP</i>	<i>Base Catalogue Number of Paralleling Link</i>
<i>2</i>	<i>23</i> <i>37</i>	<i>Max. AC-1 Current</i> <i>100A</i> <i>150A</i>