

EU Declaration of Conformity

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

Name and address of the manufacturer:
**Rockwell Automation Inc.
1201 South 2nd Street
Milwaukee, WI 53204
U.S.A.**

Name and address of the authorised representative:
**Rockwell Automation NV
Pegasus Park
De Kleetlaan 12A
1831 Diegem
Belgium**

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

Object of the declaration: **Allen-Bradley 100-E, 100S-E, 104-E, 104S-E 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:

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

Catalogue number	Series ¹	Description	Directive ²		
			EMC	LVD	RoHS
100-E***** 100S-E***** 104-E***** 104S-E*****		IEC Contactors per Nomenclature IEC Safety Contactors per Nomenclature IEC Reversing Contactors per Nomenclature IEC Safety Reversing Contactors per Nomenclature	Yes	Yes	Yes
Accessories					
100-E*****		Auxiliary Contacts per Nomenclature (for sizes 09...96)	N/R	Yes	Yes
100-ES*-* 100S-ES*-*		Side Mounted Auxiliary Contacts and Safety Auxiliary Contacts per Nomenclature (for sizes 116...2650)	N/R	Yes	Yes
100-EJE 100-EJEM		Interface Relays (for sizes 09...96), suffix 'M' designates multi-pack option	N/R	Yes	Yes
100-ET*		Electronic Timing Modules per Nomenclature (for sizes 09...96)	Yes	Yes	Yes
100-ECT		Additional Coil Terminal Block (for sizes 09...96)	N/R	N/R	Yes
100-ECT38		Additional Terminal Block (for sizes 26...38)	N/R	N/R	Yes
100-EFL**		Mechanical Latch per Nomenclature (for sizes 09...96)	N/R	N/R	Yes
100-EMCA**		Mechanical and Electrical Interlock Set per Nomenclature (for sizes 09...96)	N/R	N/R	Yes
100-EM*-00		Mechanical Interlocks per Nomenclature (for sizes 116...2650)	N/R	N/R	Yes
100-EVR750		Rod for vertical mounting 104-E400...E750 Reversing Contactors	N/R	N/R	Yes
105-PW*		Power Wiring Kits per Nomenclature (for sizes 09...750)	N/R	N/R	Yes
170-PW* 170-PWY*		Power Wiring Kits and Shorting Bars per Nomenclature (for sizes 09...750)	N/R	N/R	Yes
100-EAT*		Terminals for Control Lead Connections per Nomenclature (for sizes 80...96)	N/R	N/R	Yes
100-ECP*		Terminal Connecting Strips and Shorting Bars per Nomenclature (for sizes 09...38)	N/R	N/R	Yes
100-ECL146		Terminal Lug Kit for 100(S)-E116 and 100(S)-E146	N/R	N/R	Yes
100-ES*		Protective Covers per Nomenclature (for sizes 09...96)	N/R	N/R	Yes
100-ESC*		Terminal Shrouds per Nomenclature (for sizes 09...96)	N/R	N/R	Yes
100-ETC**		Terminal Covers per Nomenclature (for sizes 116...205)	N/R	N/R	Yes
100-ETS*		Terminal Shrouds per Nomenclature (for sizes 116...750)	N/R	N/R	Yes
100-PCE*		Connection Bars per Nomenclature (for sizes 116...2650)	N/R	N/R	Yes
100-ETE*		Terminal Enlargements per Nomenclature (for sizes 116...1260)	N/R	N/R	Yes
100-ETX*		Terminal Extensions per Nomenclature (for sizes 116...750)	N/R	N/R	Yes
100-EHS* 100-EHF*		Hardware Kits ('*' denotes Contactor size) (for sizes 116...2650)	N/R	N/R	Yes
100-EM**		Mounting Plates per Nomenclature (for sizes 116...750)	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 and Reversing Contactors
Catalogue Number Explanation***

100-E		116	KJ		11	L
1	2	3	4	5	6	7

Position	Catalogue No. Suffix	Options/Descriptions
1	100-E 100S-E 104-E 104S-E	Base Catalogue Number IEC Contactor IEC Safety Contactor (up to size 750) IEC Reversing Contactor (up to size 750) IEC Safety Reversing Contactor (up to size 96)
2	Blank	Terminal Type Screw terminal (sizes 09...96) or bus bar (sizes 116...2650)
3	09, 12, 16 26, 30, 38 40, 52, 65 80, 96 116, 146 190, 205 265, 305, 370 400, 460 580, 750, 1260 860, 1060, 2050, 2650	Contactor Size
4	Two letters	Control Voltage Coil Code (designates coil-voltage and -frequency) AC/DC or DC coil code (electronically-controlled coil) in the range of 12VDC...500VAC/DC Prefix "E" designates low power consumption (sizes 09...38) or PLC control input (sizes 116...2650) Prefix "K" designates conventional electronically-controlled coil (sizes 09...370) Prefix "Q" designates low power consumption, fast drop-out (sizes 09...38)
5	Blank 2 4	Number of Power Poles 3 NO / 0 NC poles 2 NO / 2 NC poles (100-E, sizes 09...96) 4 NO / 0 NC poles (100-E and 100S-E, sizes 09...96)
6	Two or three digits, followed by an optional suffix letter	Auxiliary Contact Configuration First digit designates number of N.O. contacts Second and third (104S-E) digit designates number of N.C. contacts Suffix "C" designates low-energy switching contacts or built-in microswitch (Safety Contactors)
7	Blank M L	Options Single pack Multi-pack (sizes 09...38) Designates the main terminals are bars for connection with compression lugs or copper bars (used for sizes 116 and 146 only)

Accessories Catalogue Number Explanation

A.) Auxiliary Contacts (for sizes 09...96)

100-E		F	A		10	M
1	2	3	4	5	6	7

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>100-E</i>	<i>Name of Series Auxiliary Contact for IEC Contactor series 100-E and Contactor Relay series 700-EF</i>
<i>2</i>	<i>Blank</i>	<i>Terminal Type Screw terminal)</i>
<i>3</i>	<i>F S</i>	<i>Mounting Type Front mounted Side mounted or for severe environment</i>
<i>4</i>	<i>A B C</i>	<i>Contact Numbering Regular numbering For 100-E Contactor series with auxiliary contact configuration '00' For 100-E Contactor series with auxiliary contact configuration '10'</i>
<i>5</i>	<i>Blank L</i>	<i>Contact Type Standard type Leading NO or lagging NC contact (100-EFAL01 and 100-EFAL10 only)</i>
<i>6</i>	<i>01 04 10 11 13 22 31 40</i>	<i>Contact Configuration 0 NO / 1 NC contact 0 NO / 4 NC contacts 1 NO / 0 NC contact 1 NO / 1 NC contacts 1 NO / 3 NC contacts 2 NO / 2 NC contacts 3 NO / 1 NC contacts 4 NO / 0 NC contacts</i>
<i>7</i>	<i>Blank M T B B2 B3 B4</i>	<i>Options (maybe combined) No option Multipack Auxiliary contact with A1/A2 coil terminal blocks For severe industrial environments IP40 (terminals IP20), built in microswitch 0.1 A For severe industrial environments IP40 (terminals IP20), built in microswitch 2 A For severe industrial environments IP67 (terminals IP20), built in microswitch 0.1 A For severe industrial environments IP67 (terminals IP20), built in microswitch 2 A</i>

Accessories Catalogue Number Explanation (continued)

B.) Side Mounted Auxiliary Contacts and Side Mounted Safety Auxiliary Contacts (for sizes 116...2650)

100-ES	1	-	11
1	2		3

Position	Catalogue No. Suffix	Options/Descriptions
1	100-ES 100S-ES	Base Catalogue Number Side Mounted Auxiliary Contact Side Mounted Safety Auxiliary Contact
2	1 2 3 4	Mounting Position Left or right mounting for Contactor sizes 116...370 Left or right, outside mounting for Contactor sizes 116...370 Left or right mounting for Contactor sizes 400...2650 Left or right, outside mounting for Contactor sizes 400...2650
3	Optional prefix letter, followed by two digits	Contact Configuration of Standard Switching Contacts Prefix "B" designates single contact with microswitch First digit designates number of N.O. contacts Second digit designates number of N.C. contacts

C.) Electronic Timing Modules (for sizes 09...96)

100-ET	A
1	2

Position	Catalogue No. Suffix	Options/Descriptions
1	100-ET	Base Catalogue Number of Electronic Timing Modules for Contactor series 100-E and Contactor Relay series 700-EF
2	A B	Delay Type On-delay Off-delay

D.) Mechanical Latch (for sizes 09...96)

100-EFL	11	KJ
1	2	3

Position	Catalogue No. Suffix	Options/Descriptions
1	100-EFL	Base Catalogue Number of Mechanical Latch for Contactor series 100 -E and Contactor Relay series 700-EF
2	11 12	For Contactor sizes 09...65 and Contactor Relays For Contactor sizes 80...96
3	Two Letters	Coil Voltage Code

Accessories Catalogue Number Explanation (continued)

E.) Mechanical and Electrical Interlock Set (for sizes 09...96)

100-EMCA	02	A
1	2	3

Position	Catalogue No. Suffix	Options/Descriptions
1	100-EMCA	Base Catalogue Number of Mechanical and Electrical Interlock Set for Contactor series 100-E and Contactor Relay series 700-EF
2	00 02	Mechanical Interlock Mechanical and Electrical Interlock
3	Optional letter	"A" Mechanical Interlock (for Contactor sizes 09...38) "B" Mechanical Interlock (for Contactor sizes 40...96)

F.) Mechanical Interlocks (for sizes 116...2650)

100-EM	1	-	00
1	2		3

Position	Catalogue No. Suffix	Options/Descriptions
1	100-EM	Base Catalogue Number of Mechanical Interlock
2	1, 2, 3, 4, 5	Contactor Size Code
3	00	Interlock Function

G.) Power Wiring Kits (for sizes 09...750)

105-PW	146
1	2

Position	Catalogue No. Suffix	Options/Descriptions
1	105-PW	Base Catalogue Number of Power Wiring Kit for Reversing Contactors
2	Two or three digits	Contactor Size

H.) Power Wiring Kits and Shorting Bars (for sizes 09...750)

170-PW	146
1	2

Position	Catalogue No. Suffix	Options/Descriptions
1	170-PW 170-PWY	Base Catalogue Number Power Wiring Kit for Wye-Delta Motor Starters Shorting Bar for Wye-Delta Motor Starters
2	Two or three digits	Contactor Size

Accessories Catalogue Number Explanation (continued)

I.) Terminals for Control Lead Connections (for sizes 80...96)

100-EAT	1
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-EAT	<i>Base Catalogue Number of Terminals for Control Lead Connections</i>
2	1, 2, 3	<i>Designates kind of connection lug</i>

J.) Terminal Connecting Strips and Shorting Bars (for sizes 09...38)

100-ECP	16
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-ECP	<i>Base Catalogue Number of Terminal Connecting Strip and Shorting Bar</i>
2	16 38	<i>Contactors Size 16 38</i>

K.) Protective Covers (for sizes 09...96)

100-ES	CCA
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-ES	<i>Base Catalogue Number of Protective Cover (for Contactor sizes 09...96)</i>
2	CCA CFA	<i>Sealable, transparent Non-removable</i>

L.) Terminal Shrouds (for sizes 09...96)

100-ESC	52
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-ESC	<i>Base Catalogue Number of Terminal Shroud (for Contactor sizes 09...96)</i>
2	52 65 80 96	<i>Designates Contactor Size and Poles 40...52, 4 Poles 40...65, 3 Poles 80, 4 Pole 80...96, 3 Poles</i>

Accessories Catalogue Number Explanation (continued)

M.) Terminal Covers (for sizes 116...205)

100-ETC	146
1	3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-ETC	<i>Base Catalogue Number of Terminal Cover for Motor Starters</i>
2	No suffix R	<i>Starter Type Motor Starter Reversing Motor Starter</i>
3	146 205	<i>Contactator Size 116, 146 190, 205</i>

N.) Terminals Shrouds (for sizes 116...750)

100-ETS	146L
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-ETS	<i>Base Catalogue Number of Terminal Shroud</i>
2	146L 205C, 205L 370C, 370L 460C, 460L 750C, 750L	<i>Contactator Size 116, 146 190, 205 265, 305, 370 400, 460 580, 750</i>

O.) Connection Bars (for sizes 116...2650)

100-PCE	1
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-PCE	<i>Base Catalogue Number of Connection Bar between Contactator and 140G or 140MG moulded case circuit breakers</i>
2	1, 2, 3, 4, 5, 6, 7	<i>Contactator Size Code</i>

P.) Terminal Enlargements (for sizes 116...1260)

100-ETE	146
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100-ETE	<i>Base Catalogue Number of Terminal Enlargement</i>
2	146 205 370 460 750 1260	<i>Contactator Size 116, 146 190, 205 265, 305, 370 400, 460 580, 750 1260</i>

Accessories Catalogue Number Explanation (continued)

Q.) Terminal Extensions (for sizes 116...750)

100-ETX	146
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>100-ETX</i>	<i>Base Catalogue Number of Terminal Extension</i>
<i>2</i>		<i>Contactor Size</i>
	<i>146</i>	<i>116, 146</i>
	<i>205</i>	<i>190, 205</i>
	<i>370</i>	<i>265, 305, 370</i>
	<i>460</i>	<i>400, 460</i>
	<i>750</i>	<i>580, 750</i>

R.) Mounting Plates (for sizes 116...750)

100-EM	R	146
1	2	3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
<i>1</i>	<i>100-EM</i>	<i>Base Catalogue Number of Mounting Plate</i>
<i>2</i>		<i>Function</i>
	<i>R</i>	<i>For Reversing Contactors</i>
	<i>S</i>	<i>For Motor Starters (Contactor sizes 116...205)</i>
	<i>RS</i>	<i>For Reversing Motor Starters (Contactor sizes 116...205)</i>
<i>3</i>		<i>Contactor Size</i>
	<i>146</i>	<i>116, 146</i>
	<i>205</i>	<i>190, 205</i>
	<i>370</i>	<i>265, 305, 370</i>
	<i>460</i>	<i>400, 460</i>
	<i>750</i>	<i>580, 750</i>