UK 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 Ltd.*** ***Pitfield*** ***Kiln Farm*** ***Milton Keynes*** ***MK11 3DR***

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

Object of the declaration:	***Allen-Bradley 100(S)-C and 104(S)-C Series and Accessories*** *(reference the attached list of catalogue numbers)*

The object of the declaration described above is in conformity with the relevant UK Statutory Instruments (and their amendments):

2016 No. 1101	*Electrical Equipment (Safety) Regulations (LV)*
2016 No. 1091	*Electromagnetic Compatibility Regulations (EMC)*
2012 No. 3032	*Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations (RoHS)*

References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:

EN IEC 60947-4-1:2019+AC:2020-05	*Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters*
EN 60947-5-1:2017+AC:2020-05	*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:

Place and date of issue: *Milwaukee, WI USA* *30-Jun-2024*

Name, function: *Daniel L. Nachtigall, Technical Leader – Product Compliance Engineering*

Signature:

Catalogue number	*Series* [1]	*Description*	*Statutory Instrument* [2]		
			EMC	*LV*	*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*
Accessories					
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) Products of the series level indicated, as well as succeeding series levels, are certified. If no series letter or number is given, then all series are certified.

2) No = Product is not certified to this Statutory Instrument.
Yes = Product is certified to this Statutory Instrument.
N/R = This Statutory Instrument is not required for this product.

NOMENCLATURE:

IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing Contactors Catalogue Number Explanation

100S-C		09		U	EJ	14	BC	
1	2	3	4	5	6	7	8	9

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*100-C* *100S-C* *104-C* *104S-C*	*Base Catalogue Number* *IEC Contactor (3-poles and 4-poles)* *IEC Safety Contactor (3-poles and 4-poles)* *IEC Reversing Contactor (3-poles)* *IEC Safety Reversing Contactor (3-poles)*
2	*No suffix* *R*	*Terminal Type* *Screw terminals* *Spring force terminals*
3	*09, 12, 16, 23* *30, 37, 40* *43, 55* *60, 72, 85, 90, 97*	*Contactor Size*
4	*No suffix* *S*	*Function or Layout* *Nothing specified* *Coil with three field wiring terminals (for Contactor sizes 9, 12, 16, 23, 30, 37)*
5	*No suffix* *U*	*Coil Terminals Position* *Line side coil terminals* *Load side coil terminals (bottom)*
6	*One, two or three letters*	*Control Voltage Coil Code (designates coil-voltage and -frequency)* *AC coil code (conventional AC coil: 12…550V50Hz)* *AC coil code (conventional AC coil: 12…600V60Hz)* *AC coil code (conventional AC coil: 24…415V50/60Hz, double frequency)* *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* *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)* *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)* *DC coil code (Double Winding Coil: 9…110VDC). Two letter code starting with "Y"*

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

Position	*Catalogue No. Suffix*	*Options/Descriptions*
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* *BC*	*Regular Auxiliary Contact Block* *Auxiliary Contact Block on Safety (Reversing) Contactors with standard moveable contacts* *Auxiliary Contact Block on Safety (Reversing) Contactors with bifurcated moveable contacts*
9	 *No suffix* *X1* *-X2* *-X3* *-X6* *X50* *-15* *-16* *M* *19B*	*Options (may be combined with "-")* *No option* *Coil terminal entry from the side* *Control wiring provided (Reversing Contactors only)* *Terminal Covers not provided* *Spade connectors provided (Reversing Contactors only)* *Customized specific option* *Spade connectors provided (Contactors only)* *Spade connectors provided (Contactors only)* *Multipack* *Omit power wiring kit (Reversing Contactors only)*

Accessories Catalogue Number Explanation

A.) Front Mounted Auxiliary Contact Blocks

100S-F	A	B		31	T
1	2	3	4	5	6

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

Accessories Catalogue Number Explanation (continued)

B.) Side Mounted Auxiliary Contact Blocks

100-S	B	L	11
1	2	3	4

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*100–S*	*Base Catalogue Number of Side Mounted Auxiliary Contact Block*
2		*Terminal Identification*
	A	*Starting with a blank space which is filled out according to customer's need (preferably for use with 700–CF Contactor Relays)*
	B	*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)*
	D	*Starting with digit "2" (preferably for use with Contactors of size 09, 12, 16, 23, 30, 37)*
3		*Contact Configuration*
	No suffix	*Standard contacts*
	L	*One early make N.O. contact and one late brake N.C. contact*
4		*Contact Configuration*
	Two digits	*First digit designates number of N.O. contacts*
		Second digit designates number of N.C. contacts

C.) Pneumatic Timing Modules

100-FPT	A	30
1	2	3

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*100-FPT*	*Base Catalogue Number of Pneumatic Timing Module*
2		*Delay Type*
	A	*On-delay*
	B	*Off-delay*
3		*Time Range*
	30	*0.3…30s*
	180	*1.8…180s*

Accessories Catalogue Number Explantation (continued)

D.) Electronic Timing Modules

100-ET	B	KJ	3
1	2	3	4

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

E.) Mechanical Interlocks

100-MC	A	00
1	2	3

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*100-MC*	*Base Catalogue Number of Mechanical Interlock*
2		*Terminal Designation*
	A	*21-22, 21-22 or none (no contacts provided)*
	B	*55-56, 65-66*
	C	*21-22, 31-32*
3		*Contact Configuration*
	00	*No contacts provided*
	02	*Two N.C. contacts provided*

Accessories Catalogue Number Explantation (continued)

F.) Mechanical Latches

100-FL	11	K
1	2	3

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*100-FL*	*Base Catalogue Number of Mechanical Latch*
2	*11*	*One N.C. and one N.O. contact*
3	*One or two letters*	*Control Voltage Coil Code (designates coil-voltage and -frequency)* *AC coil code (conventional AC coil: 24…440V50Hz)* *AC coil code (conventional AC coil: 24…480V60Hz)*

G.) Suppressor Modules

100-FS	C	48	W
1	2	3	4

Position	*Catalogue No. Suffix*	*Options/Descriptions*
1	*100-FS* *100-CRFS*	*Base Catalogue Number* *Suppressor Module for use with Contactors with screw terminals* *Suppressor Module for use with Contactors with spring force terminals*
2	*C* *D* *V*	*Module Type* *RC-Module* *Diode-Module* *Varistor-Module*
3	*Two or three digits*	*Designates voltage range*
4	*No suffix* *W*	*Designates that Suppressor Module is provided with connectors which fit to the coil terminal of the contactors* *Designates that Suppressor Module is provided with wire leads for connection to the coil terminal of the contactors*

H.) Electronic DC Interfaces

100-JE	12
1	2

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

Accessories Catalogue Number Explanation (continued)

I.) Terminal Lug Kits

100-CT	N	23
1	2	3

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

J.) Paralleling Links

100-CP	23
1	2

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