

Bulletin 100-C Contactor and 700-CF Relay

Why Upgrade or Migrate

With the expansion of the Bulletin 100-E contactor and the introduction of the 700-EF relay product lines, Rockwell Automation is discontinuing some variants of our Bulletin 100-C/700-CF contactor and relay products and related 100S/700S-CF safety contactors and relays as of December 2021.

Now is the time to migrate to an alternative 100-C line contactor or 700-CF control relay. These represent most of the existing contactor and relay business and should not affect most of our customers. These remaining devices can be used to replace the variants that will be discontinued. For example, the single frequency 24V 50Hz and 24V 60 Hz coil contactors or relays can be replaced by the dual frequency 24V 50-60 Hz coil devices.

For those devices that cannot be replaced by the remaining contactors and relays or for customers looking for a new solution, Rockwell Automation is launching a new line of 100-E contactors below 100 amps and 700-EF control relays.

New Product Benefits

- Wide range, energy efficient AC/DC coil
- Ease of selection and reduced inventory
- Minimized power supply requirements
- Increased energy efficiency
- Simplified engineering efforts



Certain variants of our Bulletin 100-C/700-CF contactor and relay products and related 100S/700S-CF safety contactors and relays



Alternative 100-C contactors and 700-CF control relays or new 100-E contactors and 700-EF control relays



Mitigate and Eliminate the Risks of Automation Obsolescence

Rockwell Automation understands that your contactors and relays are a critical asset in your automation system, and we support that by providing you with the latest technology to maximize your investment. New technologies can improve and extend the operation of existing equipment and provide an immediate boost to productivity. By migrating from your legacy 100-C/700-CF contactor and relay products and related 100S/700S-CF safety contactors and relays, you can help to decrease downtime and optimize operations well into the future.

We will help you to meet this demand to innovate by proactively planning and managing your transition every step of the way to help you get the highest possible return on your automation investment.

*ACTIVE: Most current offering within a product category.

ACTIVE MATURE: Product is fully supported, but a newer product or family exists. Gain value by migrating.

END OF LIFE: Discontinued date announced – actively execute migrations and last time buys. Product generally orderable until the discontinued date.¹

DISCONTINUED: New product no longer manufactured or procured.² Repair/exchange services may be available.

¹ - Outages on specific items may occur prior to the Discontinued date. ² - Limited stock may be available in run-out mode, regionally.

100-C & 700-CF Coil Migration

The plan for the various coil voltages and related coil codes is as follows:

100-C/700-CF AC

	VAC	12	24	32	36	42	48	100	100-110	110	120	127	200	200-220	208	208-240
100(S)-C09...C97, 700-CF	50 Hz	R	K	V	W	X	Y	KP	—	D	P	S	KG	L	—	—
	60 Hz	Q	J	—	V	—	X	—	KP	—	D	—	—	KG	H	L
	50/60 Hz	—	KJ	—	—	—	KY	KP	—	KD	—	—	KG	KL†	—	—

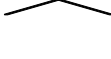
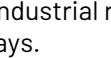
† Not available on 100/104-C90 or -C97 contactors

	VAC	220-230	230	230-240	240	277	347	380	380-400	400	400-415	440	480	500	550	600
100(S)-C09...C97, 700-CF	50 Hz	F	—	VA	T	—	—	—	N	—	G	B	—	M	C	—
	60 Hz	—	—	—	A	T	I	E	—	—	—	N	B	—	—	C
	50/60 Hz	KL†	KF	—	KA	—	—	—	—	KN	—	KB	—	—	—	—

100-C/700-CF DC

	VDC	9	12	24	36	36-48	48	48-72	60	64	72	80	110	110-125	115	125	220	220-250	230	250
100(S)-C09...C43, 700-CF	Standard	DR	DQ	ZJ	ZW	—	ZY	—	ZK	ZL	ZG	ZH	ZD	—	ZR	ZS	ZA	—	ZK	ZL
	w/ Integr. Diode	—	—	DJ	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Electr. w/integr. Diode	—	EQ	EJ	—	EW	—	EY	—	—	—	—	—	ED	—	—	—	EA	—	—
100-C60...C97	with Integrated Diode	DR	DQ	DJ	DW	—	DY	—	DZ	DB	DG	DE	DD	—	DP	DS	DA	—	DF	DT

Legend

	Will remain active
	Replaced by remaining 100(S)-C/700-CF codes
	Replaced by new 100(S)-E/700-EF
	No replacement
	Discontinued

All 700S-CF safety industrial relays will be discontinued December 2021 and replaced by the new 700S-EF safety industrial relays.

The line of bulletin 100-C/700-CF contactors and relays with spring clamp terminals will also be discontinued. If you are using this spring clamp terminal technology now, please consider moving over to screw terminal devices as soon as possible, since supply may be limited.

Finally, the line of bulletin 100Q capacitor switching contactors will be discontinued. There will not be a replacement offering for these devices.

100-C & 700-CF Conversions

Here are the products that are affected:

100-C/700-CF AC

Bulletin Number	Coil Code	Coil Code Description	Replacement Coil Code	Coil Code Description	Replacement Category**
100(S)-C, 700-CF	A	220V 50 Hz, 240V 60 Hz	L	200-220V 50 Hz, 208-240V 60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	A	220V 50 Hz, 240V 60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
700S-CF	B	440V 50 Hz, 480V 60 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	C	550V 50 Hz, 600V 60 Hz	No Direct Replacement	N/A	ER
700S-CF	C	550V 50 Hz, 600V 60 Hz	No Direct Replacement	N/A	ER
700S-CF	D	110V 50 Hz, 120V 60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	E	380V 60 Hz	KN (100(S)-E, 700-EF)	250-500V 50-60 Hz	FR
700S-CF	E	380V 60 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	F	220-230V 50 Hz	L	200-220V 50 Hz, 208-240V 60 Hz	DR
			KF	230V 50-60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	F	220-230V 50 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
700S-CF	G	400-415V 50 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	H	208V 60 Hz	L	200-220V 50 Hz, 208-240V 60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	H	208V 60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	I	347V 60 Hz	KN (100(S)-E, 700-EF)	250-500V 50-60 Hz	FR
700S-CF	I	347V 60 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	J	24V 60 Hz	KJ	24V 50-60 Hz	DR
			KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
700S-CF	J	24V 60 Hz	KJ (700S-EF)	24-60V 50-60 Hz	FR
100(S)-C, 700-CF	K	24V 50 Hz	KJ	24V 50-60 Hz	DR
			KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
700S-CF	K	24V 50 Hz	KJ (700S-EF)	24-60V 50-60 Hz	FR
100(S)-C, 700-CF	KA	240V 50-60 Hz	T	240V 50 Hz, 277V 60 Hz	DR
			L	200-220V 50 Hz, 208-240V 60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	KA	240V 50-60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	KB	440V 60 Hz	KN (100(S)-E, 700-EF)	250-500V 50-60 Hz	FR
700S-CF	KB	440V 60 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	KD	110V 50-60 Hz	D	110V 50 Hz, 120V 60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	KD	110V 50-60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
700S-CF	KJ	24V 50-60 Hz	KJ (700S-EF)	24-60V 50-60 Hz	FR
100(S)-C, 700-CF	KG	200V 50 Hz, 200-220V 60 Hz	L	200-220V 50 Hz, 208-240V 60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
			KD (700S-EF)	100-250V 50-60 Hz	FR
700S-CF	KF	230V 50-60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	KL	200-230V 50-60 Hz	L	200-220V 50 Hz, 208-240V 60 Hz	DR
			KF	230V 50-60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	KL	200-230V 50-60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	KN	400V 50-60 Hz	G	400-415V 50 Hz	DR
			KN (100(S)-E, 700-EF)	250-500V 50-60 Hz	FR
700S-CF	KN	400V 50-60 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	KP	100V 50Hz, 100-110V 60 Hz	KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	KP	100V 50Hz, 100-110V 60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	KY	48V 50-60 Hz	KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
			KY (100(S)-E, 700-EF)	48-130V 50-60 Hz	FR
700S-CF	KY	48V 50-60 Hz	KJ (700S-EF)	24-60V 50-60 Hz	FR
			KY (700S-EF)	48-130V 50-60 Hz	FR
700S-CF	L	200-220V 50 Hz, 208-240V 60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	M	500V 50 Hz	KN (100(S)-E, 700-EF)	250-500V 50-60 Hz	FR
700S-CF	M	500V 50 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	N	380-400V 50 Hz, 440V 60 Hz	G	400-415V 50 Hz	DR
			KN (100(S)-E, 700-EF)	250-500V 50-60 Hz	FR
700S-CF	N	380-400V 50 Hz, 440V 60 Hz	KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	P	120V 50 Hz	KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	P	120V 50 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	Q	12V 60 Hz	No Direct Replacement	N/A	ER
700S-CF	Q	12V 60 Hz	No Direct Replacement	N/A	ER
100(S)-C, 700-CF	R	12V 50 Hz	No Direct Replacement	N/A	ER
700S-CF	R	12V 50 Hz	No Direct Replacement	N/A	ER
100(S)-C, 700-CF	S	127V 50 Hz	KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	S	127V 50 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR

100-C/700-CF AC continued

Bulletin Number	Coil Code	Coil Code Description	Replacement Coil Code	Coil Code Description	Replacement Category**
700S-CF	T	240V 50 Hz, 277V 60 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
			KN (700S-EF)	250-500V 50-60 Hz	FR
100(S)-C, 700-CF	V	32V 50 Hz, 36V 60 Hz	KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
700S-CF	V	32V 50 Hz, 36V 60 Hz	KJ (700S-EF)	24-60V 50-60 Hz	FR
			KF	230V 50-60 Hz	DR
100(S)-C, 700-CF	VA	230-240V 50 Hz	T	240V 50 Hz, 277V 60 Hz	DR
			KD (100(S)-E, 700-EF)	100-250V 50-60 Hz	FR
700S-CF	VA	230-240V 50 Hz	KD (700S-EF)	100-250V 50-60 Hz	FR
100(S)-C, 700-CF	W	36V 50 Hz, 42V 60 Hz	KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
700S-CF	W	36V 50 Hz, 42V 60 Hz	KJ (700S-EF)	24-60V 50-60 Hz	FR
			KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
100(S)-C, 700-CF	X	42V 50 Hz, 48V 60 Hz	KY (100(S)-E, 700-EF)	48-130V 50-60 Hz	FR
			KJ (700S-EF)	24-60V 50-60 Hz	FR
700S-CF	X	42V 50 Hz, 48V 60 Hz	KY (700S-EF)	48-130V 50-60 Hz	FR
			KJ (100(S)-E, 700-EF)	24-60V 50-60 Hz	FR
100(S)-C, 700-CF	Y	48V 60 Hz	KY (100(S)-E, 700-EF)	48-130V 50-60 Hz	FR
			KJ (700S-EF)	24-60V 50-60 Hz	FR
700S-CF	Y	48V 60 Hz	KY (700S-EF)	48-130V 50-60 Hz	FR
100-CR, 700-CR	ANY	ANY	No Direct Replacement	N/A	N/A
100Q	ANY	ANY	No Direct Replacement	N/A	N/A

100-C/700-CF DC

Bulletin Number	Coil Code	Coil Code Description	Replacement Coil Code	Coil Code Description	Replacement Category**
100(S)-C60...C97	DB	64V DC	KY (100(S)-E)	48-130V DC	FR
100(S)-C60...C97	DE	80V DC	KY (100(S)-E)	48-130V DC	FR
100(S)-C60...C97	DF	230V DC	KD (100(S)-E)	100-250V DC	FR
			EJ	24V DC (Electronic)	DR
100(S)-C09...C37, 700-CF	DJ	24V DC (With Diode)	KJ (100(S)-E, 700-EF)	20-60V DC	FR
			EJ (100(S)-E, 700-EF)	20-60V DC (High Efficiency)	FR
			EJ	24V DC (Electronic)	DR
100(S)-C43	DJ	24V DC (With Diode)	KJ (100(S)-E)	20-60V DC	FR
100(S)-C60...C97	DJ	24V DC (With Diode)	KJ (100(S)-E)	20-60V DC	FR
			KJ (700S-EF)	20-60V DC	FR
700S-CF	DJ	24V DC (With Diode)	EJ (700S-EF)	20-60V DC (High Efficiency)	FR
100(S)-C60...C97	DP	115V DC	KD (100(S)-E)	100-250V DC	FR
100(S)-C60...C97	DQ	12V DC	No Direct Replacement	N/A	ER
100(S)-C60...C97	DR	9V DC	No Direct Replacement	N/A	ER
100(S)-C60...C97	DS	125V DC	KD (100(S)-E)	100-250V DC	FR
100(S)-C60...C97	DT	250V DC	KD (100(S)-E)	100-250V DC	FR
100(S)-C60...C97	DW	36V DC	KJ (100(S)-E)	20-60V DC	FR
100(S)-C60...C97	DY	48V DC	KJ (100(S)-E)	20-60V DC	FR
100(S)-C60...C97	DY	48V DC	KY (100(S)-E)	48-130V DC	FR
100(S)-C60...C97	DZ	60V DC	KY (100(S)-E)	48-130V DC	FR
100(S)-C, 700-CF	EA	220-250V DC	KD (100(S)-E, 700-EF)	100-250V DC	FR
700S-CF	EA	220-250V DC	KD (700S-EF)	100-250V DC	FR
100(S)-C, 700-CF	ED	110-125V DC	KD (100(S)-E, 700-EF)	100-250V DC	FR
700S-CF	ED	110-125V DC	KD (700S-EF)	100-250V DC	FR
			KJ (700S-EF)	20-60V DC	FR
700S-CF	EJ	24V DC	EJ (700S-EF)	20-60V DC (High Efficiency)	FR
700S-CF	EQ	12V DC	No Direct Replacement	N/A	ER
			KJ (100(S)-E, 700-EF)	20-60V DC	FR
100(S)-C, 700-CF	EW	36-48V DC	EJ (100(S)-E, 700-EF)	20-60V DC (High Efficiency)	FR
			KJ (700S-EF)	20-60V DC	FR
700S-CF	EW	36-48V DC	EJ (700S-EF)	20-60V DC (High Efficiency)	FR
			KY (100(S)-E, 700-EF)	48-130V DC	FR
100(S)-C, 700-CF	EY	48-72V DC	EJ (100(S)-E, 700-EF)	20-60V DC (High Efficiency)	FR
			KY (700S-EF)	48-130V DC	FR
700S-CF	EY	48-72V DC	EJ (700S-EF)	20-60V DC (High Efficiency)	FR
100(S)-C, 700-CF	ZA	220V DC	KN (100(S)-E, 700-EF)	250-500V DC	FR
700S-CF	ZA	220V DC	KN (700S-EF)	250-500V DC	FR
100(S)-C, 700-CF	ZD	110V DC	KD (100(S)-E, 700-EF)	100-250V DC	FR
700S-CF	ZD	110V DC	KD (700S-EF)	100-250V DC	FR
			EJ	24V DC (Electronic)	DR
100(S)-C09...C37, 700-CF	ZJ	24V DC	KJ (100(S)-E, 700-EF)	20-60V DC	FR
			EJ (100(S)-E, 700-EF)	20-60V DC (High Efficiency)	FR

100-C/700-CF DC Continued

Bulletin Number	Coil Code	Coil Code Description	Replacement Coil Code	Coil Code Description	Replacement Category**
100(S)-C43	ZJ	24V DC	EJ	24V DC (Electronic)	DR
			KJ (100(S)-E)	20-60V DC	FR
700S-CF	ZJ	24V DC	KJ (700S-EF)	20-60V DC	FR
			EJ (700S-EF)	20-60V DC (High Efficiency)	FR
100-CR, 700-CR	ANY	ANY	No Direct Replacement	N/A	N/A
100Q	ANY	ANY	No Direct Replacement	N/A	N/A

**Definition of replacement categories:

Direct Replacement (DR): a product that can be used in place of an earlier product without any user modifications or adjustments. A direct replacement provides backward compatible form, fit and function by emulating the earlier product.

Functional Replacement (FR): a product or family that can be used to replace an earlier product or family and emulates the old one with minimal changes to an existing application. A functional replacement means that there is a form, fit or function change, but that it is backward compatible.

Engineered Replacement (ER): a product or family that can be used to migrate an earlier product or family and requires engineering changes to existing applications. An engineered replacement means that there is a form, fit or function change of the application that is not backward compatible and that does not emulate the earlier product.

For More Information

To better understand your options, contact your local authorized Allen-Bradley distributor or Rockwell Automation sales office or visit: www.rockwellautomation.com/go/lifecycle and www.rockwellautomation.com/go/migration.

Connect with us.    

rockwellautomation.com — expanding human possibility®

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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