

ELECTRIFICATION SMART POWER, APRIL 2019

Product life cycle announcement



GE CR420 General Purpose Plug-in Relays

Subject: GE CR420 General Purpose Plug-in Relays life cycle announcement

Introduction:

In accordance with the ABB global strategy, the GE CR420 General Purpose Plug-in Relays will enter the **limited phase** of their life cycle on July 1, 2019. These products can be replaced with the ABB CR-series of interface relays and optocouplers, which are available through authorized ABB distributors.

Products:

Legacy Product Line	Replacement Product Line
 <p>GE CR420 General Purpose Plug-in Relays</p>	 <p>ABB Interface relays and optocouplers**</p>

**** ABB Interface relays and optocouplers are not a direct cross to the GE CR420 general purpose plug-in relays.**

See Appendix A for detailed catalog numbers

Talking Points for Sales:

ABB Interface relays and optocouplers

Main benefits

- Safe and reliable voltage conversion
- Highest contact ratings
- Pluggable function modules for highest application requirements

Main features

- Coil voltages from 5 V DC up to 230 V AC
- Up to 16 A contact ratings
- Up to 4 output contacts
- Pluggable function modules such as RC elements available
- Integrated test button for manual operation
- Gold plated contacts available for lowest contact resistivity

Life Cycle Change Schedule:

	Classic	Limited	Obsolete
GE CR420 General Purpose Plug-in Relays	Current – 06/30/19	07/01/19 - 07/01/20	TBD

Life Cycle Definitions:**CLASSIC PHASE:**

- Product is still available, but not extensively promoted (a substitution product will be identified with cross-reference in most cases)
- No further enhancements or developments
- Customers can take advantages of the complete range of ABB life cycle services, spare parts and maintenance materials
- End users are encouraged to evolve to replacement product

LIMITED PHASE:

- Product is no longer actively promoted
- Service support is ensured, including retrofit kits, spare parts and accessories.
- Product is no longer manufactured or limited production might be available. There are reductions in stock levels and the number of SKUs that are stocked.
- Life extension solutions may be available under a Customer Support Agreement, which provide “Active Phase”-like support from ABB Service team

OBSOLETE PHASE:

- Product is withdrawn from sales
- No longer manufactured as a complete product
- Retrofit kits, where applicable, are available for most applications
- Spare parts availability may diminish over time with decrease in production volumes

Inventory:

Inventory levels will be actively managed to reduce and eliminate the stocking levels and stocked materials.

Pricing:

A price increase of 10% to list price and SPA's will be applied on July 1, 2019.

During limited and obsolete phase, any exception to price increase must be approved by Pricing Manager and Product Marketing Manager (PMM).

SPA's will no longer be valid/offered for these products after July 1, 2020.

General Conversion Support Resources:

- Global Life Cycle Management Page
 - <https://new.abb.com/low-voltage/service/service-for-low-voltage-products/replacements>
- eConfig Tool (product selector)
 - <https://xe-v-lscfe01p.xe.abb.com/global/>
- US Technical Support Contact
 - eppc.support@us.abb.com

Product-Specific Support Resources

- CR420 General Purpose landing page
 - <https://www.geindustrial.com/products/relays-timers-control/cr420-general-purpose-plug>
- ABB Interface relays and optocouplers:
 - <https://new.abb.com/low-voltage/products/electronicrelays/interface-relays-and-optocouplers>
- Product Documentation
 - Catalog: https://search.abb.com/library/Download.aspx?DocumentId=2CDC110004C0210_05&LanguageCode=en&DocumentPartId=&Action=Launch

Product Returns:

During the ABB life cycle phases, the ABB return policy will be enforced. Any requested returns after product obsolescence will only be accepted with approval of ABB District Sales Manager and Product Manager for a grace period of 3 months from date of obsolescence.

Appendix:*Appendix A – Affected Legacy Products***GE CR420H General Purpose Plug-in Relays**

Cat. No.	Contacts	Mounting	Options
CR420HFAZ11*	Single Pole, Double Throw (Double Make, Double Break)	Side Flange	None
CR420HPA022*			None
CR420HPC022*	Double Pole, Double Throw	Socket	Manual Operator with LED Indicator
CR420HFA022*		Side Flange	None
CR420HPA033*			None
CR420HPC033*	Three Pole, Double Throw	Socket	Manual Operator with LED Indicator
CR420HFA033*		Side Flange	None

Replace the asterisk () at the end of the relay catalog number above

Coils

Form	Voltage	Nominal Voltage	Coil Resistance (Ohms)	Nominal Current (mA), 50/60 Hz	Coil Code
1-pole/ 2-pole	AC	6	4.2	460	A
		12	18	230	B
		24	72	115	C
		120	1700	24	J
		240	7200	12	N
	DC	12	120	100	2
		24	472	51	4
		48	1800	26.5	7
		110	10000	11	9
	3-pole	6	3.2	480	A
		12	14	240	B
		24	55	120	C
		120	1300	26	J
		240	5510	13	N
	DC	12	120	100	2
		24	472	51	4
		48	1800	26.5	7
		110	10000	11	9

Accessory	Cat. No.
Socket for Panel/ DIN Rail Mount	CR420HA
Hold-down Clips (2)	CR420HAS

GE CR420K General Purpose Plug-in Relays



Cat. No.	Contacts	Options
CR420KPM022*	Double Pole,	Manual Operator
CR420KPC022*	Double Throw	Manual Operator with LED Indicator
CR420KPM033*	Three Pole,	Manual Operator
CR420KPC033*	Double Throw	Manual Operator with LED Indicator

Replace the asterisk () at the end of the relay catalog number above

Coils

Voltage	Nominal Voltage	Coil Resistance (Ohms)	Nominal Current, mA		Coil Code
			50 Hz	60 Hz	
AC	6	5.3	404	360	A
	12	21.5	202	180	B
	24	91	98	88	C
	120	1620	2407	21	J
	240	7100	1209	11	N
DC	12	95	126	126	2
	24	430	56	56	4
	48	1630	29.5	29.5	7
	110	6800	16.2	16.2	9

Accessory	Cat. No.
DPDT Socket for Panel/DIN Rail Mount	CR420KA2
3PDT Socket for Panel/DIN Rail Mount	CR420KA3
DPDT Euro (IP20) Socket for DIN Rail Mount	CR420KA21
3PDT Euro (IP20) Socket for DIN Rail Mount	CR420KA31
Hold-down Clip	CR420KAS

**GE CR420M General
Purpose Plug-in Re-
lays**


Cat. No.	Contacts	Mounting	Options
CR420MPA044*	4 Pole, Double Throw	Socket	None
CR420MPL044*			LED Indicator
CR420MBA044*		PCB	None

Replace the asterisk () at the end of the relay catalog number above

Coils

Voltage	Nominal Voltage	Coil Resistance (Ohms)	Nominal Current, mA		Coil Code
			50 Hz	60 Hz	
AC	6	10	220	170	A
	12	40	110	85	B
	24	160	60	45	C
	120	3400	13.5	11.5	J
	240	13600	6	5	N
DC	12	160	5	5	2
	24	650	36.9	36.9	4
	48	2600	18.5	18.5	7
	110	11000	10	10	9

Accessory	Cat. No.
Socket for Panel/ DIN Rail Mount	CR420MA
Hold-down Clips (2)	CR420MAS

GE CR420N General Purpose Plug-in Relays



Cat. No.	Contacts	Mounting	Options
CR420NPA011*	Single Pole,	Socket	None
CR420NTA011*	Double Throw	Flange	None
CR420NPA022*	Double Pole, Double Throw	Socket	None
CR420NPL022*		Flange	LED Indicator
CR420NTA022*			None
CR420NPA044*	4 Pole, Double Throw	Socket	None
CR420NPL044*		Flange	LED Indicator
CR420NTA044*			None

Coils

Form	Voltage	Nominal Voltage	Coil Resistance (Ohms)	Nominal Current, mA		Coil Code
				50Hz	60 Hz	
1-pole/ 2-pole	AC	6	10	220	170	A
		12	43	110	85	B
		24	160	60	45	C
		120	3400	13.5	11.5	J
		240	13500	6	5	N
	DC	12	150	75	75	2
		24	650	36.9	36.9	4
		48	2500	18.5	18.5	7
		110	11000	10	10	9
4-pole	AC	6	2	234	200	A
		12	22	117	100	B
		24	190	58.5	50	C
		120	210	14.1	13.6	J
		240	8020	11.4	10	N
	DC	12	85	75	75	2
		24	394	36.9	36.9	4
		48	1536	18.5	18.5	7
		110	8066	10	10	9

Accessory	Cat. No.
DPDT Socket for Panel/DIN Rail Mount	CR420NA2
4PDT Socket for Panel/DIN Rail Mount	CR420NA4
DPDT Euro (IP20) Socket for DIN Rail Mount	CR420NA21
Hold-down Clips (2)	CR420MAS

NOTE: The ABB CR-Series of Interface Relays and Optocouplers is not an exact cross to the GE CR420 General Purpose Relay Product Line. Each customers application will need to be reviewed to determine the best product fit for them. Please use the product lines listed above for the information you need for the conversion.