

NEMA Full Voltage Power Devices

NEMA Rated Full Voltage Starters - Magnetic

CR124 Single-Pole Panel Mount Overload Relays

600 VAC/250 VDC
270 Maximum Amperes Continuous

Section 1

Open Forms Single Pole

Ratings			Standard Trip		Ambient Compensated Standard or Quick Trip		Noncompensated Quick Trip		Front Mounting Bracket	
Maximum Full Load Amperes	Size	Contact(s) per Pole	Product Number	List Price GO-10H	Product Number	List Price GO-10H	Product Number	List Price GO-10H	Product Number	List Price GO-10H
27	1	1NC	CR124C028	\$27.00	CR124K028	\$39.00	CR124K078	\$27.00	CR124C026 ¹	\$1.80
27	1	NO/NC (SPDT)	CR124C078	\$51.00	CR124K0128	\$63.00	CR124K0178	\$51.00	CR124C026 ¹	\$1.80
45	2	1NC	CR124D028	\$39.00	CR124L028	\$51.00	CR124L078	\$39.00	CR124C026 ¹	\$1.80
45	2	NO/NC (SPDT)	CR124D078	\$63.00	CR124L0128	\$75.00	CR124L0178	\$63.00	CR124C026 ¹	\$1.80
90	3	1NC	CR124E028	\$54.00	CR124M028	\$68.10	CR124M078	\$54.00	284A651G002 ²	\$3.00
90	3	NO/NC (SPDT)	CR124E078	\$87.00	CR124M0128	\$101.10	CR124M0178	\$87.00	284A651G002 ²	\$3.00
135	4	1NC	CR124F028	\$84.00	CR124N028	\$98.10	CR124N078	\$84.00	284A651G002 ²	\$3.00
135	4	NO/NC (SPDT)	CR124F078	\$117.00	CR124N0128	\$131.10	CR124N0178	\$117.00	284A651G002 ²	\$3.00
270	5	1NC	CR124G011 ²	\$327.00	CR124P028 ³	\$477.00	CR124P078 ³	\$327.00	Included	
270	5	NO/NC (SPDT)	CR124G019 ²	\$360.00	CR124P0128 ³	\$510.00	CR124P0178 ³	\$360.00	Included	

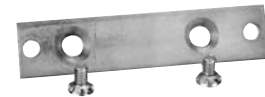
¹Bracket for one CR124K or L form is CR124K026 at \$1.80, GO-10H.

²Bracket for one CR124M or N form is product number 284A651G003 (includes two thread cutting screws).

³These forms include current transformers—use on ac only.

Enclosed Forms NEMA Type 1

Ratings				Standard Trip		Front Mounting Bracket	
Maximum Full Load Amperes	Size	Contact(s) per Pole	Poles	Product Number	List Price GO-10H	Product Number	List Price GO-10H
27	1	1 NC	1	CR124C111	\$69.00	CR124C026 ¹	\$1.80
			2	—	—	CR124C029	\$3.60
			3	CR124C113	\$165.00	547A849P001	\$5.40
45	2	1 NC	1	CR124D111	\$111.00	CR124C026 ¹	\$1.80
			2	—	—	CR124C029	\$3.60
			3	CR124D113	\$231.00	547A849P001	\$5.40
90	3	1 NC	1	CR124E111	\$156.00	284A651G002 ²	\$3.00
			2	—	—	284A651G004	\$9.00
			3	CR124E113	\$306.00	284A651G004	\$9.00



284A651G003 Bracket

¹Bracket for one CR124K or L form is CR124K026 at \$1.80, GO-10H.

²Bracket for one CR124M or N form is product number 284A651G003 (includes two thread cutting screws).

Contact Ratings 1 NO or 1 NC of SPDT Type

Continuous Carry Amperes	Make Amperes	Recommended Maximum Interrupting Capacity, Amperes					
		DC Circuits			AC Circuits		
		125 V	250 V	115 V	230 V	460 V	575 V
10	30	0.35	0.17	3	1.5	0.75	0.6

Note: Normally open contact is for 25 VA carry, 250 VA make.

Accessories

External Reset Kit

Enclosure Type	NEMA Size	Reset Distance (in.) Behind Panel	Product Number	List Price GO-10H
NEMA Type 1	00-5	1 - 6	CR124X100C	\$21.00
NEMA Type 12				
NEMA Type 4/4X	00-5	1 - 6	CR124X100D	\$25.00

For Single or Block Overload Relays and 200-, 300- and 400-line Starters.



Product Number Selection Instructions: See page 1-149

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CR124 Single-Pole Panel Mount Overload Relays

600 VAC/250 VDC

270 Maximum Amperes Continuous

Application

Single-pole overload relays are used to provide overload protection for dc and single-phase ac motors having full load currents of 270 Amperes or less; also, three relays for 3-phase motors requiring quick-trip protection.

Optional NO-NC contact (SPDT) can be connected to alarm circuit to signal when relay trips.



CR124E028 Overload Relay

Features

- Positive Overload Protection; relay utilizes a bimetallic strip and heater which closely simulates thermal characteristics of motor.
- Manual or Automatic Reset; on normally-closed contact forms¹—simple spring clip shift from one to the other.
- Trip Current Adjustment; knob can be set from 85 to 115% of nominal heater trip rating.
- Ambient Compensated Forms; for use where motor and relay are not in the same ambient.
- Quick Trip Forms; for use with motors with low ratio of locked-rotor to running current and/or short allowable stall time.
- Front Mounting; is provided by use of mounting brackets for 1, 2, or 3 relays.
- Optional Back Mounting; requires no brackets.
- Front-Replaceable Heaters; provide change of trip current rating in approximately 10% steps.

¹Not on CR124M or CR124N forms.

Product Number Selection Instructions

1. Order relay and accessories by complete product number.
Example: An ambient compensated relay with 1 NO-1 NC contact for quick-trip application with less than 27 Amperes full-load current—order CR124K0128 at **\$63.00, GO-10H**.
Also order quick-trip overload heater from page 1-161.

Reference Publications

Instructions	GEH-4729	(CR124C, D)
	GEH-2543	(CR124E, F)
Heater Selection Guide	GET-2681	
	GEH-2487	(CR124K, L)
Instructions	GEH-2515	(CR124M, N)
	GEH-4734	(CR124X)

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Publications and Reference: See Section 17 for a complete list of additional product-related publications