

Westinghouse



MCP Motor Circuit Protector

600 Volts Ac Maximum

Motor Circuit Protector

The MCP is designed specifically for the protection of motor circuits. It operates on the magnetic principle with a current sensing coil in each of the three poles, with the trip-point adjustable from the front. MCP's are the fastest devices available for clearing low level faults and offer circuit breaker features and convenience, resettable, quick make-quick break, dead front, and protection against single phasing. MCP's are rated to correspond to NEMA starter sizes.

Current Limiter Attach. (Size 0-4 Only)

The EL current limiter is an attachment that bolts to the load end of the MCP to provide increased interrupting capacity. The combination has been successfully tested up to 200,000 amps symmetrical at 600 volts Ac. It is coordinated with the MCP so that normal short circuits will be cleared automatically by the MCP, opening all 3 poles, and only the rare high fault will cause the limiter to function. Current limiters must be applied as shown in the price table.

Terminals

Terminals are included with both the MCP and Current Limiter. Standard terminals are aluminum alloy, with non-aluminum terminals optional for use with only the MCP. Both standard and optional terminals will accommodate aluminum or copper conductors. When using aluminum conductors, use of joint compound is recommended. Wire ranges are listed below.

MCP or Limiter	Terminals	
	Standard Alum.	Optional Non-Alum.
Size 0, 1, 2	#14-#4	#14-1/0
Size 3	#4-4/0	#14-1/0
Size 4	#4-4/0	#4-4/0
Size 5 (250 Amp.)	#2-350MCM	#4-350MCM
Size 5 (400 Amp.)	(2)-3/0	(2)-3/0
	-250MCM	-250MCM
Limiters to 50 amps.	#14-#2	
Limiters to 100 amps.	#1-4/0	
Limiters to 150 amps.	#1-4/0	

Underwriters' Laboratories, Inc. Listed

The MCP is listed with Underwriters' Laboratories as a recognized component and requires additional listing by the control manufacturer in combination with a contactor and overload relay.

Interrupting Ratings

Maximum application current shall be determined by testing the MCP in combination with a contactor and overload relay. Additional capacity can be obtained by using the current limiter attachment.

Further Information

Application: Application Data 29-360
Characteristic Curves: Appl. Data 29-360-A
Dimensions: Dimension Sheet 29-370

Prices effective May 20, 1974; subject to change without notice.
Discount Symbols CB-2, CB-12
Selling Policy 29-000

List Prices
Motor Circuit Protectors

Starter Size	Trip Range, Amps.	Contin- uous Amp. Rating	Catalog Numbers		List Prices Dis. Sym. CB-12 C
			With Standard Aluminum Alloy Terminals	With Optional Non-Aluminum Terminals	
0	7-22	3	MCP0322	MCP0322C	\$54.00
0	18-58	7	MCP0358	MCP0358C	54.00
0	50-150	15	MCP03150	MCP03150C	54.00
1	100-300	30	MCP13300	MCP13300C	54.00
2	160-480	50	MCP23480	MCP23480C	65.00
3	275-1000	100	MCP331000	MCP331000C	70.00
4	450-1550	150	MCP431550	MCP431550C	78.00
4	575-1800	150	MCP431800	MCP431800C	78.00
5	1250-2500	250	MCP532500	MCP532500C	159.00
5	2000-4000	400	MCP534000	MCP534000C	283.00

Current Limiters

Limiter Cat. No.	For MCP Cat. No. ⑤	List Prices Dis. Sym. CB-12
EL3003	MCP0322	\$ 27.00
EL3007	MCP0358	27.00
EL3015	MCP03150	27.00
EL3030	MCP13300	27.00
EL3050	MCP23480	27.00
EL3100	MCP331000	61.00
EL3150	MCP431550	127.00
EL3150	MCP431800	127.00

Modifications for MCP

These modifications must be factory installed.
Description List Price
Dis. Sym. CB-12

Auxiliary Switches ③	
1A and 1B	\$17.50
2A's and 2B's	35.00
Shunt Trip ③	43.00
Undervoltage Release ②③④	43.00
Moisture-Fungus Treatment	
Size 0-4	6.80
Size 5	9.30

③ Changed since previous issue.

② On 400 amp size 5, an external resistor is supplied for voltages above 240 volts Ac and 24 volts Dc.

③ Mounts only in right pole; only one Modification marked ③ can be used in MCP. (Size 0-4).

Accessories for MCP

For accessories such as motor operators, terminal shields, handle locks, handle mechanisms and rear studs, refer to PL 29-120 and PL 29-520 and select as follows:

For MCP Size	Use Access. For
0-4	FB
5 (250 Amp.)	KB
5 (400 Amp.)	LB

Base Mounting Hardware

No charge when ordered with MCP. Order separately when required.

Size 0-4, Style No. 21C6782G18

Size 5 (250 Amp.), Style No.

624B375G14

Size 5 (400 Amp.), Style No.

21C6782G22

- ④ On size 0-4 and 250 amp size 5, an external resistor is supplied for customer mounting, except for 120 volts Ac, 12, 24, 125 volts Dc.
⑤ Also applicable to MCP's with optional terminals.
⑥ Not Underwriters' Laboratories listed.
⑦ Except 400 amp size 5. Non-aluminum terminal suitable for copper only.

July 1, 1974

Supersedes Price List 29-320, pages 1-2, dated February 19, 1974

E. D. C/1901, 1902, 1999/PL

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Until further notice, Price List 29-000 P WEA should be used for prices of Motor Circuit Protectors listed in Price List 29-320.

To use Price List 29-000 P WEA, obtain catalog or style number of Motor Circuit Protector or accessory from Price List 29-320 and refer to Price List 29-000 P WEA for prices.

September 26, 1974
New Information
E, D, C/1999/PL