

7.1

Vacuum Contactors and Starters

NEMA, Special Purpose and Mining Rating

160 A Mining Vacuum Contactor



Mining Rated Vacuum Contactors and Starters

Ampere Rating	Motor Voltage	Maximum Horsepower Rating	Magnet Coil Voltage ①	Contactors Non-Reversing Catalog Number
160	200	50	110/120	VM160CJ
	230	60		
	380	100	220/240	VM160CK
	460	125	440/480	VM160CU
	575	150		
	800	200		
320	200	100	110/120	VM320CJZ1
	230	125		
	380	200	220/240	VM320CKZ1
	460	250	440/480	VM320CUZ1
	575	300		
	800	450		
610	200	150	110/120	VM610CJZ1
	230	200		
	380	300	220/240	VM610CKZ1
	460	400	440/480	VM610CUZ1
	575	500		
	800	800		
	1500	1600		

Accessories

Lug Sizes

- Size 4—12–4/0
- NEMA Size 5 and 6 and 320 A, 540 A and 610 A—supplied without line or load lugs.

Lug Kits—Consist of Six Lugs

Size	Description	Catalog Number
5 and 320 A	1/0–500 kcmil	C325KAL8
6, 540 A and 610 A	1/0–500 kcmil double barrel	C325KAL9
610 A	1/0–600 kcmil double barrel	80-19825-2

Field Modification Kits

Auxiliary Electrical Contacts

Size 4—Three Type J auxiliary contacts may be mounted on the top of Size 4 contactors to provide six auxiliary, isolated 600 V, 10 A contacts for use in control circuits.

Sizes 5–6—Two Type J auxiliary contacts may be mounted on each side of Size 5 and 6 contactors to provide four auxiliary, isolated 600 V, 10 A contacts for use in control circuits.

Auxiliary Electrical Contacts

Contact Arrangement	Catalog Number
1NO, 1NC	J11
1NO, 1NC CC ②	J1CV
2NO	J20
2NC	J02

Horizontal Mechanical Interlock

Size	Catalog Number
4	180C113G04
5	180C113G16
5	180C113G17

Notes

- ① Coils are rated for 50/60 Hz applications.
- ② Used with Size 4 only. CC is coil clearing.