



# MOTORTRONICS™

*Solid State AC Motor Control*

## MVF Series 7.2 kV <sup>630A</sup> <sup>800A</sup>

**Motortronics** 7.2kV Class, 'Non-Latching' Series of medium voltage three-phase indoor vacuum contactors can be used in power systems with a rated voltage of up to 7.2 kV and can be used for continuous AC operating currents of up to 630 or 800 amperes. Control power for the design is 120VAC.



**Non-Latching** - uses constant-on electromagnetic coils to close, and hold closed the vacuum bottle contacts. When the power to the electromagnetic coil is removed, the vacuum chamber contacts spring open (termed as; electrically held contacts or non-latching contacts).

RATED CURRENT	RATED VOLTAGE	PART NUMBER NON-LATCHING
630A	7.2kV	34-630-3-7200
800A	7.2kV	34-800-3-7200



***Latching and Non-Latching  
BIL 75kV***

***MVF Series Medium Voltage Contactor***

# 7.2kV RATINGS

**RATED CURRENT****630A / 800A**

Rated Voltage	7.2kV RMS
Rated Maximum Closing Current	4,000A / 6,300A
Rated Maximum Breaking Current	3,200A / 5,040A
Interruption - Sym. Unfused Amps	4.8kA
Interruption - Sym. Fused Amps	36.7kA
Rated Operating Voltage	110 ~ 120 VAC
Maximum Capacitive Current	230A
Closing Current - (Non Latching and Latching Models)	≤DC 14 A
Holding Current - (Non Latching models)	DC 0.8 A
Latch Release Current - (Latching Models)	DC 2.5 A
Maximum Control Circuit Hi-Pot Level	2.0kV
Basic Impulse Level (BIL)	75kV
MV Contact Resistance (20°C)	≤ 250μΩ
VCB Contact Closure Synchron	≤ 2.0ms
Switch-On Time	≤ 150ms
Switch-Off Time	≤ 50ms
Rated Operating Frequency	300 times/h
Mechanical life	1,000,000 times
Rated Operating Frequency	1,800 CPH
Electrical Life - AC-3	300,000 cycles
Electrical Life - AC-4	100,000 cycles
Weight	32 kg / 71 Lbs

**USA HEADQUARTERS****Motortronics / Phasetronics**

1600 Sunshine Drive  
Clearwater, Florida 33765  
USA  
Tel: + 727-573-1819 / 888-767-7792  
Fax: + 727-573-1803 / 800-548-4104  
E-mail: sales@motortronics.com  
[www.motortronics.com](http://www.motortronics.com)

**UNITED KINGDOM****Motortronics UK**

Bristow House,  
Gillard Way, Ivybridge,  
Devon, PL21 9GG,  
United Kingdom  
Tel: +44 (0)1752-894554  
[www.motortronics-uk.co.uk](http://www.motortronics-uk.co.uk)

**SOUTH KOREA****Motortronics Int'l Korea Co Ltd**

#1607, 128 Gasan digital 1-ro,  
Gasan digital 1-ro,  
Geumcheon-gu,  
Seoul 08507, Republic of Korea  
Tel: 82-2-867-5808  
Fax: 82-2-867-6004  
[www.motortronics-korea.com](http://www.motortronics-korea.com)

**CHINA****M & P Machinery & Electronics Control  
Part of the Motortronics Group**

32 Jiaxin Road,  
Jimo,  
Qingdao, China 266229  
Tel: 86-532-81725028  
Fax: 86-532-81725038  
[www.mp-cn.com](http://www.mp-cn.com)

**UNITED ARAB EMIRATES****Motortronics MEA, LLC**

Sharjah Media City,  
Sharjah,  
United Arab Emirates  
Tel: +1 971-50 763 4920  
[www.motortronics.com](http://www.motortronics.com)

**PN: CTR7P2A-080620**