

Type MVS2-C load interrupter switches 5 or 15 kV

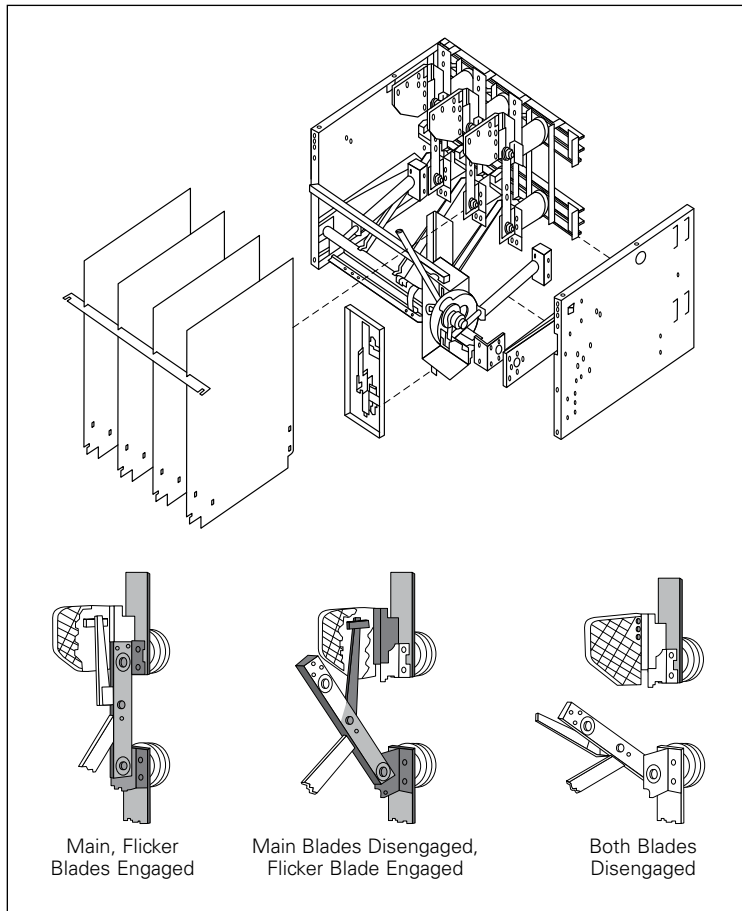


Figure 1. Type MVS2-C Load Interrupter Switches

Application and description

Eaton's type MVS2-C switch is an air-insulated, three-pole, gang-operated, quick-make/quick-break, load interrupter switch. The type MVS2-C switch is used in original equipment manufacturer products and end user enclosures, and is rated 5 kV maximum or 15 kV maximum, 600 A continuous or 1200 A continuous.

Type MVS2-C switch applications include general power distribution, transformer primary disconnect device, power system control and automation, etc. MVS2-C switches are equipped with several built-in interlock facilities and safety features that may be incorporated into the original equipment manufacturer's product or the end user's enclosure to meet the end products industry safety requirements.

Most versions of the type MVS2-C switch have either Underwriters Laboratories (UL®) recognized component status or Canadian Standards Association (CSA®) recognized component status.

Switch identification

A rating label is located on the mechanism cover of each type MVS2-C switch. Contained on this label are the switch catalog number and all the switch ratings required by industry standards. This information should be given to the Eaton sales office if a question should arise concerning the switch or if renewal parts are required. See **Table 5** to translate the catalog number into a description.

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Ratings and standards

WARNING

EXCEEDING THE NAMEPLATE RATINGS OF AN MVS2-C SWITCH MAY CAUSE PROPERTY DAMAGE, SEVERE INJURY, OR DEATH. DO NOT APPLY A TYPE MVS2-C SWITCH BEYOND ITS NAMEPLATE RATINGS.

Table 1. MVS2-C Switch Voltage and Frequency Ratings, RMS Values

Description	5 kV Class	15 kV Class
Rated maximum design voltage	5 kV	15 kV
Impulse withstand voltage, BIL	60 kV	95 kV
Low frequency withstand voltage	19 kV	36 kV
Rated frequency	60 Hz	60 Hz

Table 2. 5 kV Class MVS2-C Switch Current Ratings

For the Unfused Fault-Close Current Rating, Peak

Related Capability	Continuous Current Rating			
	600 A		1200 A	
	65 kA	99 kA	65 kA	99 kA
Short time current rating, 2 seconds	25 kA	38 kA	25 kA	38 kA
Rated load break current	600 A	600 A	1200 A	1200 A
Rated load break current operations	50	50	20	20
Rated magnetizing current	12 A	12 A	24 A	24 A

Note: Ratings are rms symmetrical values except as noted.

Table 3. 15 kV Class MVS2-C Switch Current Ratings

For the Unfused Fault-Close Current Rating, Peak

Related Capability	Continuous Current Rating			
	600 A		1200 A	
	65 kA	99 kA	65 kA	99 kA
Short time current rating, 2 seconds	25 kA	38 kA	25 kA	38 kA
Rated load break current	600 A	600 A	1200 A	1200 A
Rated load break current operations	30	30	10	10
Rated magnetizing current	12 A	12 A	24 A	24 A



Note: Ratings are rms symmetrical values except as noted.

Table 4. MVS2-C Switch Standards

UL and CSA	Standards Document
UL or CSA component recognition to:	ANSI/IEEE® C37.20.4 ANSI C37.58 ANSI C37.22
CSA component recognition only to:	CAN/CSA C22.2 No. 193 CAN/CSA C22.2 No. 58

Switch nameplate identification

A rating nameplate is located on the mechanism cover of each type MVS2-C switch. Contained on this nameplate are the switch catalog number or style number and all switch ratings required by industry standards. This information should be given to the Eaton sales office if a question should arise concerning the switch or if renewal parts are required.

	
Load Interrupter Switch	
Type	_____
Style	_____
Date	_____
Voltage Ratings, kV	
Maximum	_____
BIL	_____
3 Phase 60 Hz	_____
Current Ratings, A	
Continuous and Load Break	_____
Fault Close and Momentary, Asymmetrical	_____
Short-Time (2 Seconds)	_____
Fuse Type	_____
Fused Fault Close, Asymmetrical	_____
Replacement fuses shall be of the same manufacture, type, and interrupting rating.	
Industry Standards	
IEEE C37.20.4	ANSI C37.58
	ANSI C37.22
Instructions	
Mfd. At:	_____
	
0000000-00	

Product selection

Table 5. MVS2-C Catalog Numbering System

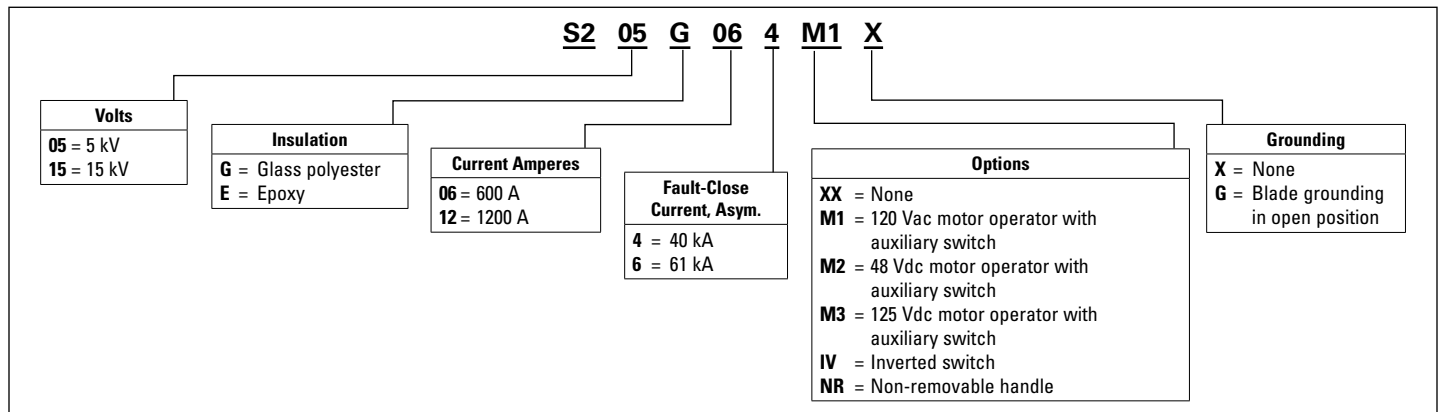
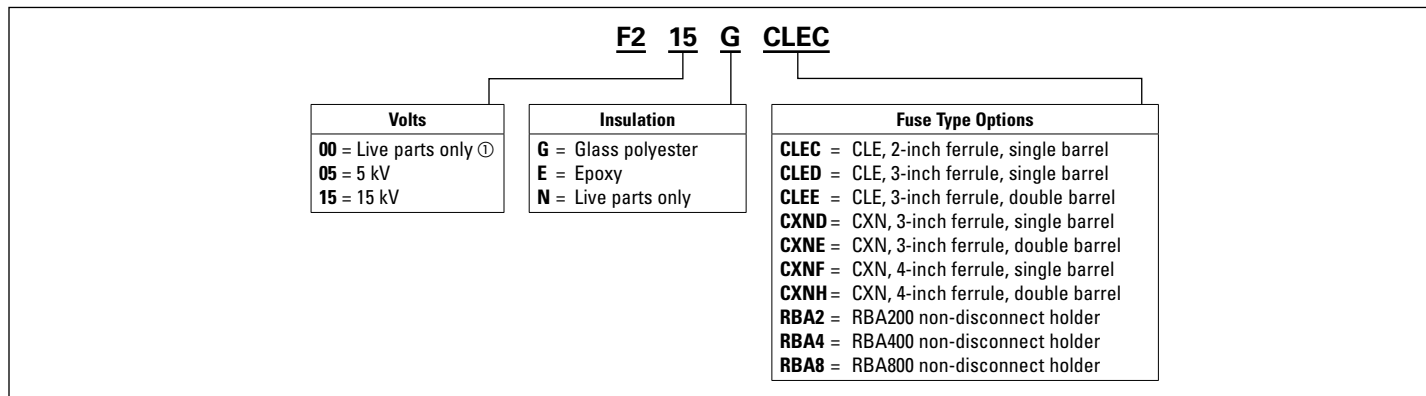


Table 6. MVS2-C Product Selection / Part Numbers Available

Part Number	Part Number	Part Number	Part Number	Part Number
S205G064XXXX	S205E064NRXX	S205G066XXGX	S215E066M1XX	S215G124M1GX
S205E064XXXX	S205G066NRXX	S205E066XXGX	S215G124M1XX	S215E124M1GX
S205G066XXXX	S205E066NRXX	S205G124XXGX	S215E124M1XX	S215G126M1GX
S205E066XXXX	S205G124NRXX	S205E124XXGX	S215G126M1XX	S215E126M1GX
S205G124XXXX	S205E124NRXX	S205G126XXGX	S215E126M1XX	S215E124M3GX
S205E124XXXX	S205G126NRXX	S205E126XXGX	S215G064M2XX	S215G126M3GX
S205G126XXXX	S205E126NRXX	S205G064IVXX	S215E064M2XX	S215E126M3GX
S205E126XXXX	S205G064M1GX	S205E064IVXX	S215G066M2XX	S215G064XXGX
S205G064M1XX	S205E064M1GX	S205G066IVXX	S215E066M2XX	S215E064XXGX
S205E064M1XX	S205G066M1GX	S205E066IVXX	S215G124M2XX	S215G066XXGX
S205G066M1XX	S205E066M1GX	S05G124IVXX	S215E124M2XX	S215E066XXGX
S205E066M1XX	S205G124M1GX	S205E124IVXX	S215G126M2XX	S215G124XXGX
S205G124M1XX	S205E124M1GX	S205G126IVXX	S215E126M2XX	S215E124XXGX
S205E124M1XX	S205G126M1GX	S205E126IVXX	S215G064M3XX	S215G126XXGX
S205G126M1XX	S205E126M1GX	S205G064XXGI	S215E064M3XX	S215E126XXGX
S205E126M1XX	S205G064M2GX	S205E064XXGI	S215G066M3XX	S215G064IVXX
S205G064M2XX	S205E064M2GX	S205G066IVGX	S215E066M3XX	S215E064IVXX
S205E064M2XX	S205G066M2GX	S205E066IVGX	S215G124M3XX	S215G066IVXX
S205G066M2XX	S205E066M2GX	S205G124IVGX	S215E124M3XX	S215E066IVXX
S205E066M2XX	S205G124M2GX	S205E124IVGX	S215G126M3XX	S215G124IVXX
S205G124M2XX	S205E124M2GX	S205G126IVGX	S215E126M3XX	S215E124IVXX
S205E124M2XX	S205G126M2GX	S205E126IVGX	S215G064NRXX	S215G126IVXX
S205G126M2XX	S205E126M2GX	S215G064XXXX	S215E064NRXX	S215E126IVXX
S205E126M2XX	S205G064M3GX	S215E064XXXX	S215G066NRXX	S215G064IVGX
S205G064M3XX	S205E064M3GX	S215G066XXXX	S215E066NRXX	S215E064IVGX
S205E064M3XX	S205G066M3GX	S215E066XXXX	S215G124NRXX	S215G066IVGX
S205G066M3XX	S205E066M3GX	S215G124XXXX	S215E124NRXX	S215E066IVGX
S205E066M3XX	S205G124M3GX	S215E124XXXX	S215G126NRXX	S215G124IVGX
S205G124M3XX	S205E124M3GX	S215G126XXXX	S215E126NRXX	S215E124IVGX
S205E124M3XX	S205G126M3GX	S215E126XXXX	S215G064M1GX	S215G126IVGX
S205G126M3XX	S205E126M3GX	S215G064M1XX	S215E064M1GX	S215E126IVGX
S205E126M3XX	S205G064XXGX	S215E064M1XX	S215G066M1GX	
S205G064NRXX	S205E064XXGX	S215G066M1XX	S215E066M1GX	

Note: All of the included part numbers are available for order using Eaton's Vista ordering system. Please refer to Vista for pricing.

Table 7. MVS2-C Fuse Mounting and Live Parts Catalog Numbering System



① For volt selection of 00, live parts only, the purchaser is responsible for providing the necessary supporting and insulation required to meet the appropriate industry standard dielectric property and short-circuit bracing strength requirements. Instruction Bulletin: IB02102004E, available at www.eaton.com

Table 8. MVS2-C Fuse Mounting or Fuse Live Parts Product Selection / Part Numbers Available

Part Number	Part Number	Part Number
F205ECLEC	F205GRBA2	F200NRBA4
F205ECLED	F205ERBA4	F215ERBA8
F205ECLEE	F205GRBA4	F205GRBA8
F205GCLEC	F205RBA8	F200NRBA8
F205GCLED	F205GRBA8	F215ECXND
F205GCLEE	F205ECXND	F215ECXNE
F200NCLEC	F205ECXNF	F215ECXNF
F200NCLED	F205ECXNH	F215GCXNH
F200NCLEE	F205GCXND	F215GCXND
F215ECLEC	F205GCXNF	F215GCXNE
F215ECLED	F205GCXNH	F215GCXNF
F215ECLEE	F215ERBA2	F215GCXNH
F215GCLEC	F215GRBA2	F200NCXND
F215GCLED	F200NRBA2	F200NCXNE
F215GCLEE	F215ERBA4	F200NCXNF
F205ERBA2	F215GRBA4	

Note: All of the included part numbers are available for order using Eaton's Vista ordering system. Please refer to Vista for pricing.

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Printed in USA
Publication No. TD008006EN / Z15751
October 2014



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