Serving the Electrical Utility Industry Since 1920

Monoruptr® Vacuum Interrupters

Catalog SM06912-3

Type: SM
Number of Vacuum Bottles: 2-4

Description

A multi bottle vacuum interruption device for use with SEECO one-way, phase-over-phase switches. Cantilever mounting of the interrupter column permits more compact phase spacing.

Applications

Common applications for multi bottle interrupters include:

- Load dropping
- Line dropping
- Loop splitting (parallel break)

Monoruptr® vacuum interrupters are not designed or rated for fault duty. Please contact the factory for confirmation of the appropriate interrupter configuration for your specific application.

Features & Benefits

- Provides arc-less switching
- Full load interrupters provide convenience, flexibilty and clarity in switching; reduces confusion about switching "rules" under various operating conditions
- Interrupter units are out of the main current path when not in operation and are not subject to fault currents
- Proven vacuum bottle technology with an established history of successful field service
- Safety - no SF6 that can produce chlorine gas under high currents
- Quick, simple field installation

Standard Equipment

SEECO SM multi bottle interrupters utilize a column of vacuum bottles in series with voltage grading provided by paired sets of capacitors and resistors. The column is housed in a single fiberglass tube and surrounded with a silicon oil, which serves as a dielectric medium. The fiberglass tube includes externally accessible 'studs', which provide a convenient means for hi-pot or continuity testing of the individual vacuum bottles.

Interrupter units are supplied complete with mounting brackets, hardware and blade mounted pick-up rods.

Operation Sequence

The interrupters are only in the circuit for a few seconds during the opening operation of the air switch. The movement of the air switch blade "trips" the interrupter unit through a series of mechanical linkages and a high speed toggle mechanism which opens all vacuum bottle contacts simulantenously. The speed of contact opening is independent of the air switch blade speed. After contact opening, the trip arm of the interrupter disengages from the blade mounted pick-up rod and automatically returns to it's original position, closing the vacuum bottle contacts. In switch closing, the interrupter is out of the circuit.

Installation

The interrupter units are shipped fully assembled and pre-adjusted for proper activation or "trip"; no field adjustment of the interrupter unit is required, nor should be attempted. Field adjustment is limited to the blade mounted pick-up rods and can be easily accomplished in less than an hour.

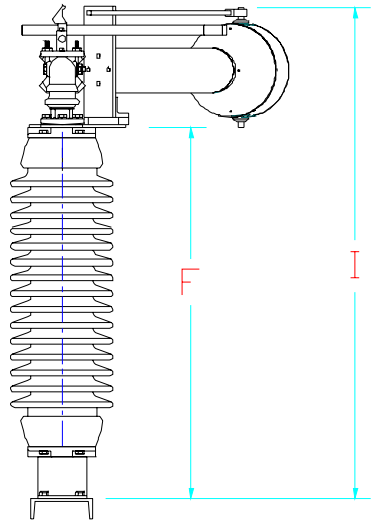
A complete set of installation instructions are available from our website at www.seecoswitch.com or you can contact us at the number below for assistance.

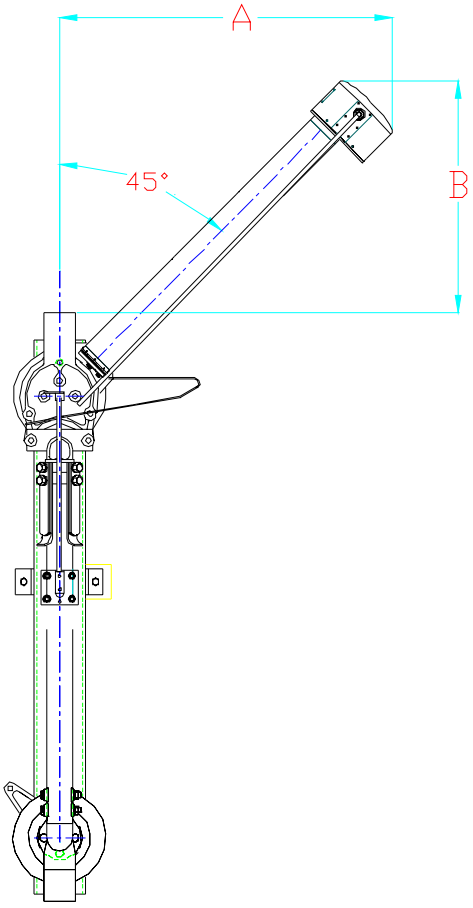
To Be Specified on Order

To obtain pricing information or to place an order, the following minimum information must be specified:

- Monoruptr® catalog number
- Voltage and current rating of the switch
- Direction of blade opening as viewed from the hinge end of the switch: CW, CCW

Catalog Numbers and Ratings - Type SM





Switch Voltage Rating	Switch Current Rating	Vacuum Bottles Per Unit	Type SM		
			Catalog	Weight, Lbs	
				Install	Ship
46	600	2	SM04606-2	165	180
	1200		SM04612-2	165	180
	2000		SM04620-2	165	180
	3000		SM04630-2	165	180
69	600	3	SM06906-3	240	255
	1200		SM06912-3	240	255
	2000		SM06920-3	240	255
	3000		SM06930-3	240	255
115	600	4	SM11506-4	315	330
	1200		SM11512-4	315	330
	2000		SM11520-4	315	330
	3000		SM11530-4	315	330

Dimensions in inches unless otherwise specified. Note: 'G' represents minimum phase spacing for typical applications.

Height	Length	A	B	I	F	G
12-1/4	33-3/4	30	18-1/2	38-1/4	26	7'-0"
12-1/4	45-3/8	39	27	46-1/4	34	9'-0"
12-1/4	57	46-1/2	35	54	51-3/4	15'-0"

Note: Installed weight is the weight of a three phase set. For the weight of a single interrupter unit and associated mounting hardware, divide by three.

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