



Quality

Reliability

Value

Model # 70SFMT-32F

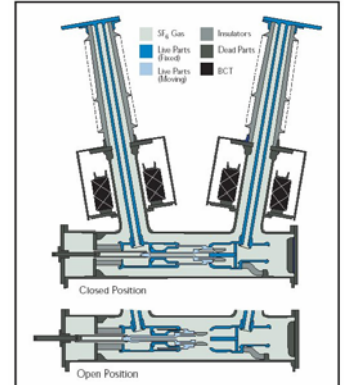


MEPPI Design Quality

- ❖ SST Ground Pads
- ❖ Adjustable Legs
- ❖ Galvanized Frame
- ❖ Aluminum Tanks
- ❖ Slip-Over BCTs
- ❖ Protected Linkage & Gas System (inside cabinet)
- ❖ Optional Composite Bushings
- ❖ Meets ANSI and IEC Std.'s
- ❖ **Short Lead Times**

MEPPI Technology

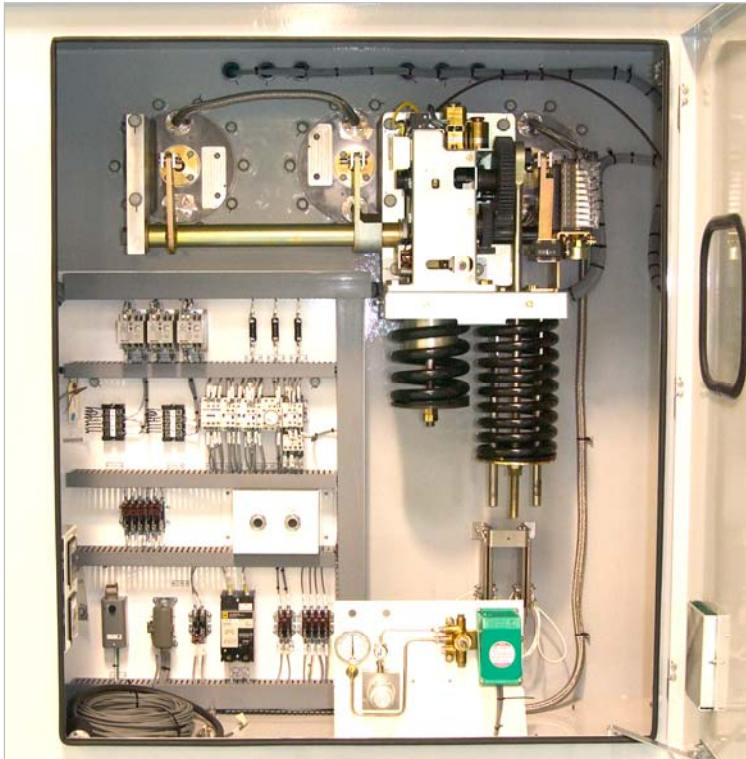
- ❖ True Puffer Interrupter
- ❖ Fifteen minute contact inspection/change-out
- ❖ Two-Part Gas Sealing System: EPR O-Rings at all static joints, RTV to seal-out the external environment
- ❖ Totally-enclosed Gas Handling System
- ❖ Minimal connection interfaces



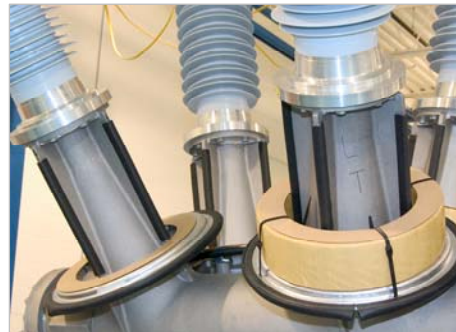
Ratings

Breaker Type	70SFMT- 32F
Maximum Voltage	72.5kV
Nominal Voltage	34.5kV - 69kV
Full Load Current	1,200A, 2,000A, 3,000A
Short Circuit Current	31.5kA Interrupting
Interrupting Time	3 Cycles
Frequency	60Hz
Full Wave Withstand	350kV BIL
Bushing Creep (Standard)	1315mm (51.55 in.)
Low Frequency Withstand	160kV
Permissible Trip Delay	2 seconds

Close & Latch Capabilities	60kA RMS; 85kA Crest
Rapid Duty Cycle	O-0.3s-CO-15sec-CO-50sec-CO
Opening Time	28ms (1.7 cycles)
Closing Time	100ms (6.0 cycles)
Reclosing Time	333ms (20.0 cycles)
Gas Pressure	71psig (5kg/cm ²) @ 68°F
Rated Altitude	1,000 m (3,300 ft.)
Temperature Range (Standard)	40°C to -30°C (105 to -22°F)
Min. Temperature w/Heaters	-50°C (-58°F)
Seismic Level	IEEE 693 (1997)



**Totally Enclosed Gas System and Operating Linkage
(Safety Shield Removed)**



**Slip-Over BCTs
Optional
Composite
Bushings**



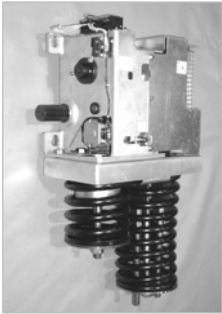
**Superior Mitsubishi Contacts and Puffer Design
Inspect/Change Contacts with *Bushings In Place***



Quality

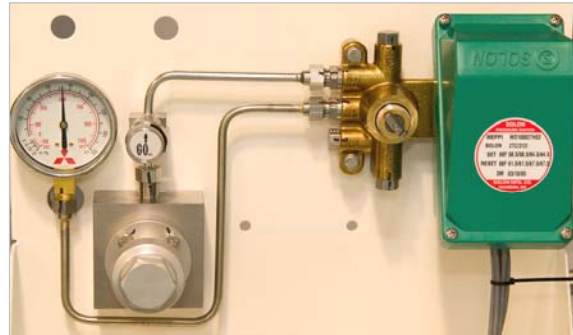
Reliability

Value



BH-3 Mechanism

- ❖ Helical Spring Open/Close
- ❖ 3 Cycle Interruption
- ❖ Universal Motor
- ❖ Dual Trip Coils Available
- ❖ 20a, 20b Auxiliary Switches
- ❖ Two Lube Points Every 6 Years
- ❖ 10,000 Mechanical Operations



**SF₆
Monitoring
System
(Totally Enclosed)**

Total Weight.....3993 lb (1815kg)
SF6 Gas Weight..... 18 lb. (8kg)
Rated Pressure.....71 psig (5kg/cm2)
Insulator
Type.....Gas-Filled
Standard Creep.....51.77 in (1315mm)

Surface Treatments
Frame.....Hot Dip galvanized
Control Housing.....ANSI 70 Light Gray
SF6 Tanks.....Unfinished Aluminum
BCT Covers.....Unfinished Aluminum
Porcelain.....Glaze, ANSI 70

Dynamic Loading
Horizontal.....2205 lb. (1000kg)
Vertical Up.....2205 lb. (1000kg)
Vertical Down.....3970 lb. (1800kg)
Vertical Forces Add to or Subtract from
Breaker Weight

