

## TYPE E SINGLE PHASE OIL CIRCUIT RECLOSER

**EQUIPMENT SPECIFICATIONS:** Type E Single Phase Oil Circuit Recloser

### **STANDARDS**

The recloser covered by this specification shall be manufactured and tested in accordance with applicable ANSI, IEEE and NEMA Standards.

### **QUALITY**

The manufacturing facility shall be independently certified to meet ISO 9001 Standards.

### **RATINGS**

Ratings as a minimum shall be as follows:

Maximum Design Voltage, kV	27.0
Nominal Operating Voltage, kV	24.9
Impulse withstand, 1.2 x 50 microsecond surge (BIL), Crest kV	150
Low frequency withstand voltage	
Dry, One Minute, kV	60
Wet, Ten Seconds, kV	50

### **WEIGHTS AND DIMENSIONS**

<u>Width, in.</u>	<u>Height, in.</u>	<u>Tank Diameter</u>	<u>Total Weight With Oil, lb</u>	<u>Oil, gal.</u>
16 (406 MM)	41 1/2 (1054 MM)	11 1/4 (286 MM)	169 Lbs (77 Kg.)	8.4 Gal (31.5 Liters)

Operation to Lockout: 1,2,3 or 4

Time Current Curve - "A" Fast, "B", "C", "D" Delayed (Use in a sequence consisting of all fast, all delayed, or fast followed by delayed operations)

### **DUTY CYCLE**

<u>PERCENT OF INTERRUPTING RATING</u>	<u>NUMBER OF UNIT OPERATIONS</u>	<u>MAXIMUM CIRCUIT X/R VALUE</u>
15-20	40	2
45-55	20	5
90-100	<u>12</u>	12
	total: 72	

## **LOAD AND INTERRUPTING RATINGS**

Interrupting ratings are based on a maximum X/R ratio of 12.

<u>Nominal Ratings Amperes</u>	<u>Minimum Trip Amperes</u>	<u>RMS Symmetrical Amperes at 24.9kV</u>
5	10	300
10	20	600
15	30	900
25	50	1500
35	70	2100
50	100	2500
70	140	2500
100	200	2500

## **CLEARANCES AND CREEPAGE (in.)**

Distance between bushings (live parts): 7 3/8" (187 MM)  
Dry Arcing Distance: 8 3/8" (213 MM)  
Creepage Distance 13 5/8" (346 MM)  
Contact Travel 3 3/16" (81 MM)  
Total Gap, Contacts Open 5 1/4" (133 MM)  
(2 breaks in series)  
Nominal Reclosing Time, 2.0 seconds @ 25°C Oil temperature  
Minimum Operating Temperature: -30°C

rcn6/3/97