

## TYPE H SINGLE PHASE OIL CIRCUIT RECLOSER

**EQUIPMENT SPECIFICATIONS:** Type H 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	15.5
Nominal Operating Voltage, kV	14.4
Impulse withstand, 1.2 x 50 microsecond surge (BIL), Crest kV	95
Low frequency withstand voltage	
Dry, One Minute, kV	35
Wet, Ten Seconds, kV	30

Radio influence voltage measured at 9.41 kV, microvolts, shall not exceed 100 microvolts.

Max. continuous current, amperes	50
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### **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>
15 13/16" (402 mm)	30" (762 mm)	9 1/8" (232mm)	85 lbs (39 kg)	4 gal (15 L)

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 operation)

## **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	40	4
90-100	<u>20</u>	8
	total: 100	

## **LOAD AND INTERRUPTING RATINGS**

Interrupting ratings are based on a maximum X/R ratio of 10.

<u>Nominal Ratings Amperes</u>	<u>Minimum Trip Amperes</u>	<u>RMS Symmetrical Amperes 2.4kV through 14.4kV</u>
5	10	125
10	20	250
15	30	375
25	50	625
35	70	875
50	100	1250
70	140	
100	200	

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

Distance between bushings (live parts): 5 3/4" (146 mm)  
Dry Arcing Distance: 5 1/2" (140 mm)  
Creepage Distance 10 3/8" (264 mm)  
Nominal Reclosing Time, 1.0 seconds @ 25°C Oil temperature  
Minimum Operating Temperature: -30°C

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