

# Entec 15kV, 27kV & 38kV 630A Automatic Recloser



## Solid Insulated Pole Mount Auto Recloser with Vacuum Interruption

- ✓ Vacuum technology, no SF6 or Oil
- ✓ EPR-1 Rated 15.5kV, 630A, 110kV BIL – **Ex Stock**
- ✓ EPR-2 Rated 27kV, 630A, 150kV BIL – **Indent Only**
- ✓ EPR-3 Rated 38kV, 800A, 170kV BIL – **Indent Only**
- ✓ Manual trip and lockout via hot stick
- ✓ Pole mount brackets available
- ✓ Multifunction control with integral RTU
- ✓ Built in Source side CT's & VT's
- ✓ Built in Voltage Sensors (3 X Source Side & 3 X Load Side)
- ✓ Outdoor rated cycloaliphatic resin
- ✓ Stainless steel mechanism box and control cabinet
- ✓ Low maintenance
- ✓ Scada kit options

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## EPR Automatic Recloser

Description	EPRIS (1phase)	EPR-1 (3phase)	EPR-2 (3phase)	EPR-3 (3phase)
Stock or Indent	Indent Only	Ex Stock	Indent Only	Indent Only
Maximum System Voltage	15.5kV	15.5kV	27kV	38kV
Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated Continuous Current	630A	630A	630A*	800A
Rated Short Circuit Interruption Current	16kA	16kA	12.5kA	16kA
Rated Making Current	41.6kA (peak value)	41.6kA (peak value)	41.6kA (peak value)	41.6kA (peak value)
Power Frequency Withstand Voltage				
- Dry	50kV (1 min)	50kV (1 min)	60kV (1 min)	70kV (1 min)
- Wet	45kV (10 sec)	45kV (10 sec)	50kV (10 sec)	60kV (10 sec)
Rated Impulse Withstand Voltage	110kV BIL	110kV BIL	150kV BIL	170kV BIL
Mechanical Operation Life	10,000 Operations	10,000 Operations	10,000 Operations	10,000 Operations
Actuator Operation Power	DC120V	DC120V	DC120V	DC120V
Auxiliary Power Supply For the Control	AC 110V to 240V	AC 110V to 240V	AC 110V to 240V	AC 110V to 240V
Control Circuit Voltage	DC 24V	DC 24V	DC 24V	DC 24V
Protection Current Transformer (CT) ratio	1000:1 A	1000:1 A	1000:1 A	1000:1 A
Weight				
- Main Tank	40kg	130kg	160kg	185kg
- Control Cubicle	84kg	84kg	84kg	85kg

## Microprocessor Based Recloser Control - ETR300-R

- Analysis of current/voltage normal & negative sequence for power quality monitoring.
- Recording of PQM with fault waveform of 128 sampling and 20 cycles.
- Harmonics analysis of electric data. (THD/TDD content ratio)
- Monitoring of Sag, Swell, Interruption, over & low voltage, unbalance and etc.
- Improvement of fault detection algorithm
- Automatic isolation of faulted section site and interconnection with other healthy section.
- Improved measuring accuracy
- Time synchronization and Position Information by GPS support
- Multi-Protocol support. (DNP3.0, MODBUS, IEC60870-5-101/104 & IEC61850)
- User programmable logic(PLC) support

