Phase Sequence Corrector
Specification & Technical Details

A Phase Sequence Corrector is an automatic device designed to maintain the correct R-Y-B sequence of incoming three-phase power supply. It ensures that motors, lifts, HVAC systems, UPS, CNC machines, and other three-phase equipment operate safely and without damage from wrong phase sequence, phase loss, or voltage imbalance.

Parameter	Specification
Type	Automatic Phase Sequence Corrector (APSC)
Input Supply	3 Phase, 415 V AC ±10%, 50 Hz (±5 Hz)
Output Supply	Corrected 3 Phase R-Y-B Sequence (same as input voltage & frequency)
Current Ratings	18 A, 25 A, 32 A, 40 A, 63 A, 100 A, 200 A, 400 A, 630 A
Protection Features	Phase reversal correction, Phase failure protection, Voltage imbalance ±10%, Auto-reset after normal condition
Construction	Mild Steel powder-coated enclosure, Heavy-duty contactors, Auxiliary relays, Wall/Floor/Panel Mount options
Operating Temperature	–10°C to +55°C
Relative Humidity	Up to 95% (non-condensing)
Insulation Resistance	>100 MΩ at 500 V DC
Dielectric Strength	2.5 kV for 1 minute

Applications:
• Lifts and elevators
• Motors and pumps
• Air-conditioning and HVAC systems
• UPS and DG sets
• CNC machines and automation panels
• Industrial machinery

Advantages:
• Ensures safe operation of all three-phase equipment
• Prevents downtime due to wrong phase sequence
• Protects motors from burning and malfunction
• Compact, reliable, and maintenance-free design
• Energy efficient with automatic correction feature