# PHASE SEQUENCE RELAY

## Main Features
- 3Ø - 3 Wire Input
- Monitors (Unbalancing, Phase Sequence, Phase Missing)
- LED Indication: Trip & Power ON
- Slim, Space Saving Design
- DIN Rail Mount

## Technical Specification

### Input Specifications
- **Accuracy**: ±3% of F.S. (F.S. = Full Scale)
- **Reset**: Auto reset on removal of fault condition
- **Power on Indication (Green)**: Yes
- **Trip Indication (Red)**: Yes

### Output Specifications
- **Output Contact**: SPDT (1 C/O)
- **Contact Rating**: NO/5A, NC/3A@250V AC
- **VA Rating**: 20 VA Max.

### Functional Specifications
- **Phase Failure Trip**: <154V AC
- **Phase Sequence, Phase Missing**: Yes
- **Unbalancing Trip Setting**: 30 V fixed ±10V AC
- **Hysteresis**: ±10V
- **Trip Accuracy**: 6V
- **Response Time**: 200 ms max.
- **Power On Delay**: 200 msec.
- **Nominal Input Voltage**: 415V AC (phase to phase)
- **Operating Voltage**: 154 to 500V AC (phase to phase)

### General Data
- **Module Width (W)**: 22.5 mm
- **Module height (h)**: 103 mm
- **Module depth (d)**: 75.4 mm
- **Housing colour**: Grey (base), Black (cover)
- **Ambient operating temperature**: (0 to 50)°C (32 to 122 °F)
- **Storage temperature**: (-20 to 75)°C (-4 to 167 °F)
- **Ambient operating humidity**: 95% (Rn)
- **Weight**: Approx. 62 gms (0.163 lbs)
- **Nominal Frequency**: 50/60 Hz (±10%)

### Connection Data
- **Type of connection**: Screw Connection
- **Nominal current carrying capacity**: 24 A
- **Rated voltage capacity**: 400 V
- **Connector cross section solid**: Min./Max. 0.2/4.0 mm²
- **Conductor cross section stranded**: Min./Max. 0.2/2.5 mm²
- **Tightening torque**: 0.5-0.6 Nm

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PHASE SEQUENCE RELAY

Model Number Legend
(Note all model that can be represented with the model number legend can necessarily be produced.)

<table>
<thead>
<tr>
<th>HOUSING SIZE</th>
<th>Symbol</th>
<th>Meaning</th>
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<tbody>
<tr>
<td>1</td>
<td>22</td>
<td>22.5 mm Housing Width</td>
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<tr>
<td>2</td>
<td>17</td>
<td>17.5 mm Housing Width</td>
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<tr>
<th>INPUT SUPPLY TYPE</th>
<th>Symbol</th>
<th>Meaning</th>
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<tr>
<td>3</td>
<td>A</td>
<td>AC Supply Voltage (AC)</td>
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<tr>
<td>4</td>
<td>415</td>
<td>154 to 500 V AC</td>
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<tr>
<th>CONTROL OUTPUT</th>
<th>Symbol</th>
<th>Meaning</th>
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<tr>
<td>5</td>
<td>1S</td>
<td>SPDT</td>
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<thead>
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<th>FUNCTION</th>
<th>Symbol</th>
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<tr>
<td></td>
<td>PSR</td>
<td>Phase Sequence Relay</td>
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<tr>
<th>Sr.</th>
<th>Article Number</th>
<th>Article Description</th>
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<tbody>
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<td>TT22-A415-1S-PSR</td>
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<td>2</td>
<td>011709055</td>
<td>TT17-A415-1S-PSR</td>
<td>01</td>
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</tbody>
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HOUSING DIMENSIONS

TIMING DIAGRAM

Terminal Connections

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