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MOD-RLY-PHM-3PH-36.530V-3A

3-Phase Monitoring Relay - 360-530V AC 50/60Hz - 3A Contact Rating (@ 600V) - Phase Loss/Sequence/Voltage Monitoring

Product ID: 346740



Image: MOD-RLY-PHM-3PH-36.530V-3A

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

The Larson Electronics MOD-RLY-PHM-3PH-36.530V-3A is a 3-Phase Monitoring Relay. This protective relay operates on 360-530V AC, 50/60Hz and protects motors and equipment from damage caused by phase loss, incorrect phase sequence, asymmetry, overvoltage and undervoltage conditions on three-phase power systems.

When the proper 3-phase line voltage is applied to the unit and the phase sequence is correct, the relay is energized after the adjustable restart delay is completed. Any one of several fault conditions including phase failure, voltage imbalance, overvoltage or undervoltage will de-energize the relay after the adjustable fault delay. Re-energization is automatic once the fault has been successfully corrected. LED indicators provide power, relay status and fault indication for simplified monitoring and troubleshooting.

MOD-RLY-PHM-3PH-36.530V-3A Explosion Proof

Listing: United States - Canada

Relay Type: Multifunction 3-Phase Monitoring Relay

Monitoring Functions: Phase Loss, Phase Sequence, Asymmetry, Overvoltage & Undervoltage Protection

Nominal Voltage Range: 360-530V AC, 3-Phase

Ratings/Approvals

Nominal Frequency: 50/60 Hz ±10%

Undervoltage Adjustment: -12% to -2% of Nominal Voltage

Overvoltage Adjustment: +2% to +10% of Nominal Voltage

Asymmetry Threshold Adjustment: 5-15% of Nominal Voltage

Voltage Detection Threshold: <194V AC

Output Contacts: (1) NO Contact, (1) NC Contact

Contact Rating: 10 A, 1/3 H.P. AT 120 VAC; 10 A, 1/2 H.P. AT 240 VAC; 3 A, 1/2 H.P. AT 600 VAC)

Pilot Duty Contact Rating: 3160 VA Make/316 VA Break (@ 120VAC), 4800 VA Make/480 VA Break (@ 240-600 VAC)

Max Switching Voltage: 250V AC / 250V DC

Time Delay: Adjustable 0.1-10 Seconds

Response Time: <200 ms

Reset Time: 500 ms @ 480V

Power-Up Delay: 650 ms

Measurement Cycle: 140 ms True RMS

Measurement Accuracy: <1% Across Full Range

Repeat Accuracy: 0.3% Time Delay / 0.5% Measurement Circuit

Hysteresis: 2%

Power Consumption: 0-22 VA @ 480V AC

Mounting: 35mm DIN Rail

Terminal Type: Screw Clamp

Wire Capacity: 0.5-4 mm² Solid / 0.2-2.5 mm² Flexible

Protection Rating: IP20 Terminals / IP30 Housing

Housing Material: Polycarbonate

Operating Position: Any Position Without Derating

Operating Temp: -20°C to 50°C

Storage Temperature: -40°C to 70°C

Relative Humidity: 95% @ 55°C

Shock Resistance: 15 gn for 11 ms

Vibration Resistance: IEC 60068-2-6 Compliant

Dielectric Strength: 2kV AC, 1 Minute

Surge Immunity: 4kV

Pollution Degree: 3

Overvoltage Category: III

Mechanical Life: 30,000,000 Operations

Electrical Life: 100,000 Operations

Operating Rate: ≤360 Operations/Hour at Full Load

Dimensions: 35mm W x 90mm H x 72mm D

Weight: 0.13 kg

Certifications: UL, CSA, CE, GL, GOST, C-Tick

Special Orders- Requirements

Contact us for special requirements

Toll Free:

Standards: IEC 60255-1, IEC 60947-5-1, IEC 61000-6-2/3/4

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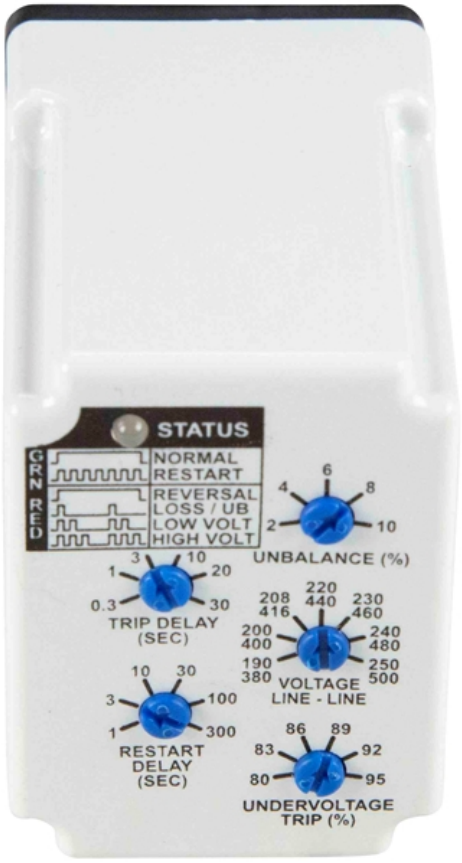
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Frequently Asked Questions (FAQ)

There are no Faqs