FORWARD & reverse relay module

12V DC high power motor reversing relays

Specifications Overview

Intermittent Current: 70A at 12V DC intermittent
Max On time 5 mins
Off time 3 mins

Continuous Current: 50A at 12V DC

Load Current Inrush: 150A

Pull-In Voltage: 7.8V max

Coil Resistance: 82Ω ±10%

Vibration Resistance: 10-55Hz. Double amplitude 1.5mm

Environmental: -40C to 85C. Rust and moisture-resistant plastic housing

Dielectric Strength: 500V RMS between coil and contact

Dimensions: 2.91” × 3.51” × 1.86” H (73.9 × 91.7 × 47.2mm)

Web Resources

Download technical resources at:
littelfuse.com/24452

Description

Ideal for tarp or lift applications. Also used on hoists, hatches, winches, snowplows, intake/exhaust fans, vehicle outriggers and other reversing applications. Module automatically reverses the direction of the motor when the appropriate control circuit is energized with a pulse from a control switch. Dynamic braking stops the motor when the switch returns to Off. Low-profile module saves space. Studs are securely anchored in epoxy.

Features and Benefits

• Dynamic braking.
• Carries a heavy load current.
• Intermittent or continuous operation.
• High performance silver tin oxide contacts assure long cycle life.
• Fully sealed to IP67 with high strength epoxy for total moisture protection to withstand very harsh environments.
• Ignition protected.
• Tin-plated brass studs and hardware for corrosion resistance.
• For intermittent operation, control switch should be Mom On-Off-Mom On; for continuous operation On-Off-On.

Ordering Information

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>24452</td>
<td>2V DC high power motor reversing relays</td>
</tr>
<tr>
<td>97297</td>
<td>Protective Cover</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>24401</td>
<td>SPDT Double-action Solenoid</td>
</tr>
<tr>
<td>55046</td>
<td>DPDT Reverse Polarity Toggle</td>
</tr>
<tr>
<td>75712-04</td>
<td>Rotary Reversing Switch</td>
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</tbody>
</table>

Datasheet Replaces Hotfeed Number D-612

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Rev: 120116