



# RMD05048 Product Details

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**RMD05048**  
(1-1393146-0)

TE Internal Number: 1-1393146-0

Active

## Industrial Relays (General Purpose)

Converted to EU RoHS but not ELV Compliant (Statement of Compliance)

### Product Highlights:

- RM C/D Series
- Contact - Current Class = 20A to 30A Class, Greater Than 16A
- Contact - Rated Current = 30 A
- Terminal Type = Quick Connect
- Contact - Arrangement = 1 Form X (NO, Bridging)

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## Documentation & Additional Information

<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Power Relay RMC/D</a> (PDF, English)</li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>CAD Files:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul>	<p><b>Additional Information:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line Information</a></li> </ul> <p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</a></li> </ul>
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Feedback

## Product Features (Please use the Product Drawing for all design activity)

<p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Contact - Current Class = 20A to 30A Class, Greater Than 16A</li> <li>• <a href="#">Contact - Rated Current (A)</a> = 30</li> <li>• Contact - Limiting Continuous Current (A) = 30</li> <li>• Contact - Limiting Making Current (A) = 60</li> <li>• Contact - Limiting Breaking Current (A) = 30</li> <li>• Insulation - Initial Dielectric Between Coil/Contact Class = 1500V to 2500VA Class</li> <li>• Insulation - Initial Dielectric Between Open Contacts (V rms) = 2000</li> <li>• Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 2500</li> <li>• Contact - Rated Voltage (VAC) = 400</li> <li>• Contact - Switching Voltage Max. (VAC) = 440</li> <li>• Contact - Limiting Short-Time Current (A) = 30</li> <li>• Contact - Switching Recommended Load, Min. = 100mA at 24V</li> <li>• Coil - Rated Voltage (VDC) = 48</li> <li>• <a href="#">Coil - Resistance (Ω)</a> = 2000</li> <li>• <a href="#">Coil - Rated Power, DC (mW)</a> = 1200</li> <li>• Coil - Rated Power Class = 1W to 1.5W Class</li> <li>• Insulation - Creepage Class = &gt;8mm Class</li> <li>• Insulation - Clearance Class = 2.5mm to 4mm Class</li> <li>• Insulation - Special Features = 6000V Initial Surge Withstand Voltage between Contacts and Coil</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Mechanical - Length Class = 35mm to 40mm Class</li> <li>• Length (mm [in]) = 38.50 [1.515]</li> <li>• Mechanical - Width Class = 30mm to 40mm Class</li> <li>• Width (mm [in]) = 35.50 [1.398]</li> <li>• Mechanical - Height Class = 40mm to 50mm Class</li> <li>• Height (mm [in]) = 48.50 [1.909]</li> </ul>	<p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Mount Type = Bracket</li> <li>• Weight (g [oz]) = 81.00 [2.859]</li> </ul> <p><b>Contact Features:</b></p> <ul style="list-style-type: none"> <li>• Terminal Type = Quick Connect</li> <li>• Contact Material = AgCdO</li> <li>• Contact - Number of Poles = 1</li> <li>• Contact - Special Features = Bridging Contacts</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Contact - Arrangement</a> = 1 Form X (NO, Bridging)</li> <li>• <a href="#">Coil - Magnetic System</a> = Monostable, DC</li> <li>• Coil - Special Features = UL Coil Insulation Class B</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">RoHS/ELV Compliance</a> = RoHS/Not ELV Compliant</li> <li>• <a href="#">Lead Free Solder Processes</a> = Not relevant for lead free process</li> <li>• RoHS/ELV Compliance History = Converted to comply with RoHS not ELV directives</li> <li>• Approved/Registered Standards = VDE, cULus</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Environmental - Category of Protection = RTI</li> <li>• Environmental - Ambient Temperature, Max. (°C [°F]) = 60 [140]</li> <li>• Environmental - Ambient Temperature Class = 50°C to 70°C Class</li> </ul> <p><b>Packaging Features:</b></p> <ul style="list-style-type: none"> <li>• Packaging Method = Tray</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Series = RM C/D</li> </ul>
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- Insulation - Clearance Between Contact and Coil (mm [in]) = 4 [0.157]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 14.9 [0.587]

- Brand = Schrack
- Additional Features = Mechanical Indicator

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