



# 1415430-6 Product Details

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1415430-6

TE Internal Number: 1415430-6

Active

## Industrial Relays (General Purpose)

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

### Product Highlights:

- 430 3mm Series
- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- Contact - Rated Current = 16 A
- Terminal Type = PCB-THT, Quick Connect, Solder
- Contact - Arrangement = 1 Form A (NO)

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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 430 3mm (PDF, English)</a></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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## Product Features (Please use the Product Drawing for all design activity)

<p><b>Product Type Features:</b></p> <ul style="list-style-type: none"> <li>• Series = 430 3mm</li> <li>• Terminal Type = PCB-THT, Quick Connect, Solder</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Contact - Current Class = 10A to 20A Class, Greater Than 16A</li> <li>• Contact - Rated Current (A) = 16</li> <li>• Contact - Limiting Continuous Current (A) = 16</li> <li>• Contact - Limiting Making Current (A) = 25</li> <li>• Contact - Limiting Breaking Current (A) = 16</li> <li>• Insulation - Initial Dielectric Between Coil/Contact Class = 3500V to 4000V Class</li> <li>• Insulation - Initial Dielectric Between Open Contacts (V rms) = 2000</li> <li>• Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 4000</li> <li>• Contact - Rated Voltage (VAC) = 250</li> <li>• Contact - Switching Voltage Max. (VAC) = 400</li> <li>• Contact - Limiting Short-Time Current (A) = 16</li> <li>• Coil - Rated Voltage (VDC) = 12</li> <li>• Coil - Resistance (Ω) = 145</li> <li>• Coil - Rated Power, DC (mW) = 993</li> <li>• Coil - Rated Power Class = 800mW to 1000mW Class</li> <li>• Insulation - Creepage Class = 5.5mm to 8mm Class</li> <li>• Insulation - Clearance Class = 5mm to 8mm Class</li> <li>• Insulation - Special Features = Tracking Index of Relay Base PTI250</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]) = 35.50 [1.398]</li> <li>• Mechanical - Width Class = 16mm to 20mm Class</li> <li>• Width (mm [in]) = 16.51 [0.650]</li> <li>• Mechanical - Height Class = 25mm to 30mm Class</li> <li>• Height (mm [in]) = 28.50 [1.122]</li> <li>• Insulation - Clearance Between Contact and Coil (mm [in]) = 8 [0.315]</li> <li>• Insulation - Creepage Between Contact and Coil (mm [in]) = 8 [0.315]</li> </ul>	<p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Mount Type = PCB</li> <li>• Weight (g [oz]) = 32.00 [1.129]</li> </ul> <p><b>Contact Features:</b></p> <ul style="list-style-type: none"> <li>• Contact Material = AgCdO</li> <li>• Contact - Number of Poles = 1</li> <li>• Contact - Special Features = 3mm Contact Gap, Bifurcated/Twin Contacts</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• Contact - Arrangement = 1 Form A (NO)</li> <li>• Coil - Magnetic System = Monostable, DC</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• RoHS/ELV Compliance = RoHS/Not ELV Compliant</li> <li>• Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C</li> <li>• RoHS/ELV Compliance History = Converted to comply with RoHS not ELV directives</li> <li>• Approved/Registered Standards = cULus, VDE</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]) = 70 [158]</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>• Brand = Schrack</li> </ul>
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