

# RM505024 Product Details

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## Industrial Relays (General Purpose)

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

### Product Highlights:

- RM 5/6/B Series
- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- Contact - Rated Current = 16 A
- Terminal Type = Plug-in, Quick Connect
- Contact - Arrangement = 2 Form A (NO)

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**RM505024**  
(8-1393148-3)

TE Internal Number: 8-1393148-3  
 Active

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### Documentation & Additional Information

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

#### Electrical Characteristics:

- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- [Contact - Rated Current \(A\)](#) = 16
- Contact - Limiting Continuous Current (A) = 16
- Contact - Limiting Making Current (A) = 30
- Contact - Limiting Breaking Current (A) = 16
- Insulation - Initial Dielectric Between Coil/Contact Class = 1500V to 2500VA Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 2500
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 2500
- Contact - Rated Voltage (VAC) = 400
- Contact - Switching Voltage Max. (VAC) = 440
- Contact - Limiting Short-Time Current (A) = 16
- Contact - Switching Recommended Load, Min. = 100mA at 24V
- Coil - Rated Voltage (VDC) = 24
- [Coil - Resistance \(Ω\)](#) = 345
- [Coil - Rated Power, DC \(mW\)](#) = 1700
- Coil - Rated Power Class = >1.5W Class
- Insulation - Initial Dielectric Between Adjacent Contacts (V rms) = 2500
- Insulation - Creepage Class = >8mm Class
- Insulation - Clearance Class = 2.5mm to 4mm Class
- Insulation - Special Features = 5000V Initial Surge Withstand Voltage between Contacts and Coil

#### Dimensions:

- Mechanical - Length Class = 35mm to 40mm Class
- Length (mm [in]) = 38.50 [1.515]
- Mechanical - Width Class = 30mm to 40mm Class
- Width (mm [in]) = 35.50 [1.398]
- Mechanical - Height Class = 40mm to 50mm Class
- Height (mm [in]) = 48.50 [1.909]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 4 [0.157]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 14.9 [0.587]

#### Body Features:

- Mount Type = Bracket
- Weight (g [oz]) = 81.00 [2.859]

#### Contact Features:

- Terminal Type = Plug-in, Quick Connect
- Contact Material = AgCdO
- Contact - Number of Poles = 2
- Contact - Special Features = 3mm Contact Gap

#### Configuration Features:

- [Contact - Arrangement](#) = 2 Form A (NO)
- [Coil - Magnetic System](#) = Monostable, DC
- Coil - Special Features = UL Coil Insulation Class B

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS/Not ELV Compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Converted to comply with RoHS not ELV directives
- Approved/Registered Standards = cULus, VDE

#### Environmental:

- Environmental - Category of Protection = RTI
- Environmental - Ambient Temperature, Max. (°C [°F]) = 50 [122]
- Environmental - Ambient Temperature Class = 0 to 50°C Class

#### Packaging Features:

- Packaging Method = Tray

#### Other:

- Series = RM 5/6/B
- Brand = Schrack

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