



OMIH-SH-124D,394 Product Details

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OMIH-SH-124D,394
(1461373-9)

TE Internal Number: 1461373-9

Active

View 3D PDF

Industrial Relays (General Purpose)

Always EU RoHS compliant but not ELV Compliant (Statement of Compliance)

Product Highlights:

- OMI/OMIH Series
- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- Contact - Rated Current = 16 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form C (CO)

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [OMIH CUSTOMER DRAWING](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version C2)
- [3D Model](#) (IGES, Version C2)
- [3D Model](#) (STEP, Version C2)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Schematic](#)
- [Wiring Diagram](#)
- [PCB Layout \(Bottom Surface\)](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Series = OMI/OMIH
- Terminal Type = PCB-THT

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) = 16
- Contact - Limiting Breaking Current (A) = 16
- Insulation - Initial Dielectric Between Coil/Contact Class = >4000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 1000
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 5000
- Contact - Rated Voltage (VAC) = 250
- Contact - Switching Voltage Max. (VAC) = 250
- Contact - Switching Voltage Max. (VDC) = 30
- Contact - Limiting Short-Time Current (A) = 16
- Contact - Switching Recommended Load, Min. = 100mA at 5V
- Coil - Rated Voltage (VDC) = 24
- [Coil - Resistance \(Ω\)](#) = 820
- [Coil - Rated Power, DC \(mW\)](#) = 720
- Coil - Rated Power Class = 600mW to 800mW Class
- Insulation - Initial Insulation Resistance (MΩ) = 1000000
- Insulation - Creepage Class = 5.5mm to 8mm Class
- Insulation - Clearance Class = 5mm to 8mm Class
- Insulation - Special Features = 10000V Initial Surge Withstand Voltage between Contacts and Coil

Dimensions:

- Mechanical - Length Class = 25mm to 30mm Class
- Length (mm [in]) = 29.21 [1.150]
- Mechanical - Width Class = 12mm to 16mm Class
- Width (mm [in]) = 12.80 [0.504]
- Mechanical - Height Class = 20mm to 25mm Class
- Height (mm [in]) = 20.60 [0.811]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 5.5 [0.217]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 8 [0.315]

Body Features:

- Mount Type = PCB
- Weight (g [oz]) = 13.00 [0.459]

Contact Features:

- Contact Material = AgSnO
- Contact - Number of Poles = 1

Configuration Features:

- [Contact - Arrangement](#) = 1 Form C (CO)
- [Coil - Magnetic System](#) = Monostable, DC
- Coil - Special Features = UL Coil Insulation Class A

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS/Not ELV Compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS not ELV compliant
- Approved/Registered Standards = CQC, UL, CSA, VDE

Environmental:

- Environmental - Category of Protection = RTIII
- Environmental - Ambient Temperature, Max. (°C [°F]) = 60 [140]
- Environmental - Ambient Temperature Class = 50°C to 70°C Class

Packaging Features:

- Packaging Method = Box

Other:

- Brand = OEG

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