



# OMIH-SS-112L,300 Product Details

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## OMIH-SS-112L,300 (8-1440000-5)

TE Internal Number: 8-1440000-5

Active

### Industrial Relays (General Purpose)

Always EU RoHS compliant but not ELV Compliant (Find RoHS Compliant Alternates/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

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- Additional Information:**
- [Product Line Information](#)
- Additional Product Images:**
- [Schematic](#)
  - [Wiring Diagram](#)
  - [PCB Layout \(Bottom Surface\)](#)
- Related Products:**
- [Tooling](#)

### 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) = 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) = 12
  - [Coil - Resistance \(Ω\)](#) = 270
  - [Coil - Rated Power, DC \(mW\)](#) = 540
  - Coil - Rated Power Class = 500mW to 600mW 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:**
- Terminal Type = PCB-THT
  - Contact Material = AgSnO
  - Contact - Number of Poles = 1
- Configuration Features:**
- [Contact - Arrangement](#) = 1 Form C (CO)
  - [Coil - Magnetic System](#) = Monostable, DC
  - Coil - Special Features = Sensitive Version, UL Coil Insulation Class A
- Industry Standards:**
- [RoHS/ELV Compliance](#) = RoHS/Not ELV Compliant
  - [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°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 = RTII
  - Environmental - Ambient Temperature, Max. (°C [°F]) = 70 [158]
  - Environmental - Ambient Temperature Class = 50°C to 70°C Class
- Packaging Features:**
- Packaging Method = Box/Carton
- Other:**
- Series = OMI/OMIH
  - Brand = OEG

Feedback

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