



## ORWH-SH-124D,N000 Product Details

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**ORWH-SH-124D,N000**  
(1461069-7)

TE Internal Number: 1461069-7  
Active

### Industrial Relays (General Purpose)

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

#### Product Highlights:

- ORWH Series
- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current = 10 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form C (CO)

[View all Features](#)

#### Quick Links

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### Documentation & Additional Information

#### Product Drawings:

- None Available

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files:

- None Available

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Wiring Diagram](#)

#### Related Products:

- [Tooling](#)

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

#### Product Type Features:

- Series = ORWH
- Terminal Type = PCB-THT

#### Electrical Characteristics:

- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current (A) = 10
- Contact - Limiting Continuous Current (A) = 10
- Contact - Limiting Making Current (A) = 10
- Contact - Limiting Breaking Current (A) = 10
- Insulation - Initial Dielectric Between Coil/Contact Class = 1000V to 1500VA Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 750
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 1500
- Contact - Rated Voltage (VAC) = 277
- Contact - Rated Voltage (VDC) = 28
- Contact - Switching Voltage Max. (VAC) = 277
- Contact - Switching Voltage Max. (VDC) = 28
- Contact - Limiting Short-Time Current (A) = 10
- Coil - Rated Voltage (VDC) = 24
- Coil - Resistance ( $\Omega$ ) = 1600
- Coil - Rated Power, DC (mW) = 360
- Coil - Rated Power Class = 300mW to 400mW Class
- Insulation - Creepage Class = 3mm to 5.5mm Class
- Insulation - Clearance Class = 0 to 2.5mm Class

#### Dimensions:

- Mechanical - Length Class = 16mm to 20mm Class
- Length (mm [in]) = 19.00 [0.748]
- Mechanical - Width Class = 12mm to 16mm Class
- Width (mm [in]) = 15.50 [0.610]
- Mechanical - Height Class = 15mm to 16mm Class
- Height (mm [in]) = 15.80 [0.622]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 1.6 [0.093]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 4 [0.157]

#### Body Features:

- Mount Type = PCB
- Weight (g [oz]) = 9.50 [0.335]

#### Contact Features:

- Contact Material = AgCdO
- 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 B

#### 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 = cULus, TUEV

#### Environmental:

- Environmental - Category of Protection = RTIII
- Environmental - Ambient Temperature, Max. ( $^{\circ}\text{C}$  [ $^{\circ}\text{F}$ ]) = 70 [158]
- Environmental - Ambient Temperature Class = 50°C to 70°C Class

#### Packaging Features:

- Packaging Method = Tube

#### Other:

- Brand = TE Connectivity

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