



# OJ-SS-112HM.000 Product Details

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**OJ-SS-112HM.000**  
(1419135-3)

TE Internal Number: 1419135-3

Active

## Industrial Relays (General Purpose)

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

### Product Highlights:

- OJ/OJE Series
- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current = 10 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form A (NO)

[View all Features](#)

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## Documentation & Additional Information

### Product Drawings:

- [OJ-SS-HM SPEC,000 CUSTOMER DRAWING](#) (PDF, English)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

- [OJ-SS-112HM,000](#) (PDF, Japanese)

### Application Specifications:

- None Available

### Instruction Sheets:

- None Available

### CAD Files:

- None Available

### 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)

### 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 = 3500V to 4000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 750
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 4000
- Contact - Rated Voltage (VAC) = 277
- Contact - Rated Voltage (VDC) = 30
- Contact - Switching Voltage Max. (VAC) = 277
- Contact - Switching Voltage Max. (VDC) = 30
- Contact - Limiting Short-Time Current (A) = 10
- Contact - Switching Recommended Load, Min. = 100mA at 5V
- Coil - Rated Voltage (VDC) = 12
- [Coil - Resistance \(Ω\)](#) = 320
- [Coil - Rated Power, DC \(mW\)](#) = 450
- Coil - Rated Power Class = 400mW to 500mW Class
- Insulation - Creepage Class = 5.5mm to 8mm Class
- Insulation - Clearance Class = 2.5mm to 4mm Class
- Insulation - Special Features = Tracking Index of Relay Base PTI250

### Dimensions:

- Mechanical - Length Class = 16mm to 20mm Class
- Length (mm [in]) = 18.20 [0.717]
- Mechanical - Width Class = 10mm to 12mm Class
- Width (mm [in]) = 10.20 [0.400]

### Body Features:

- Mount Type = PCB
- Weight (g [oz]) = 9.00 [0.318]

### Contact Features:

- Terminal Type = PCB-THT
- Contact Material = Ag
- Contact - Number of Poles = 1

### Configuration Features:

- [Contact - Arrangement](#) = 1 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](#) = 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 = VDE, cULus, TUEV, CQC

### 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 = Tray

### Other:

- Series = OJ/OJE

Feedback

- Mechanical - Height Class = 14mm to 15mm Class
- Height (mm [in]) = 14.70 [0.579]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 3.2 [0.126]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 6.4 [0.252]

- Brand = OEG

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