



NEW TV-8 RATED OJT 10A SERIES POWER RELAY

HIGH INRUSH CAPABILITY, MINIATURE DESIGN

PRODUCT DESCRIPTION

TE Connectivity (TE) announces new TV-8 rated 10A OJT Relays. This compact relay offers a high 117A inrush capability and is UL TV-8 rated. This makes them ideal for use in applications that require high inrush resistance on loads which inrush current occurs. Contacts in a 1 form A, 1 NO (normally open) arrangement are rated up to 10 amps at 250 volts AC, resistive with through-hole technology (THT) printed circuit board (PCB) terminals. Its miniature design results in a size about 40% less than similar relay offerings. The 450mW coil is offered in 5 through 24 volt DC versions.

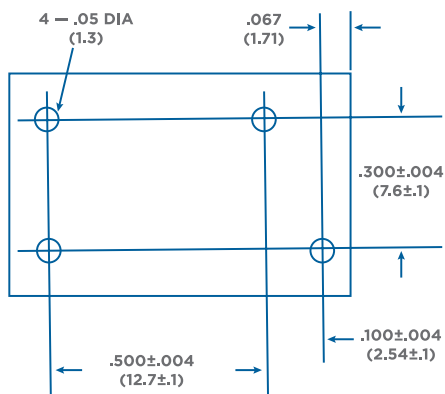
APPLICATIONS

- Appliances: such as washing machines, refrigeration and cooking
- HVAC
- Industrial controls
- Industrial machinery
- Lighting
- Motors
- Power supply controls
- Printers
- Smart plugs

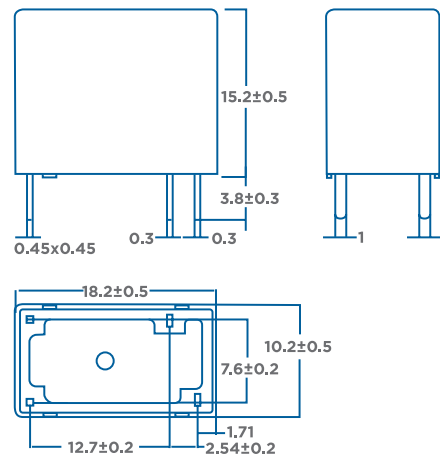
KEY FEATURE

- 1 form A, 1 NO (normally open) contact arrangement rated up to 10 amps at 250 volts AC and 85°C
- Through-hole technology (THT) printed circuit board (PCB) terminals offer more robust and durable board mounting option
- With a mounted height of only 15.2mm above the board, the OJT relay has a compact design to save space on and above the board
- $\geq 4\text{kV}$ dielectric strength between contacts and coil
- 5 through 24 volt DC coils require 450mW coil power
- Complies with IEC 61810 and is UL recognized, VDE approved and CQC certified

PCB layout - Bottom view on solder pins



Outline Dimensions



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CONTACT DATA

- Contact arrangement: 1 form A, 1 NO (normally open)
- Rated voltage: 250VAC
- Rated current: 10A
- Contact material: AgSnO
- Electrical endurance:
 - 10A, 250VAC res, +85°C 10x10³ ops.
 - 10A, 250VAC res, +25°C 30x10³ ops.

COIL DATA

- Coil voltage range: 5 to 24 VDC
- Nominal coil power: 450mW

INSULATION DATA

- Initial dielectric strength
 - Between contacts and coil: 4000Vrms



AGENCY APPROVALS

- UL recognized, file E82292
- VDE approved, certificate 40007630
- CQC certified, certificate 18002202082
- TUV certified, certificate R 50432700

OTHER DATA

- Ambient temperature: -40°C to +85°C max.
- Category of protection: RTII—flux proof
- Terminal type: PCB-THT

PART NUMBERS

Description	Coil Voltage	Contacts	Part Number
OJT-SS-112HM,00000	5VDC	Standard	2071507-1
OJT-SS-105HM,00000	12VDC	Standard	2071508-1
OJT-SS-124HM,00000	24VDC	Standard	2071509-1

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