

ORWH-SH-105D1F,000

✓ ACTIVE

OEG | SCHRACK Miniature PCB Relay ORWH

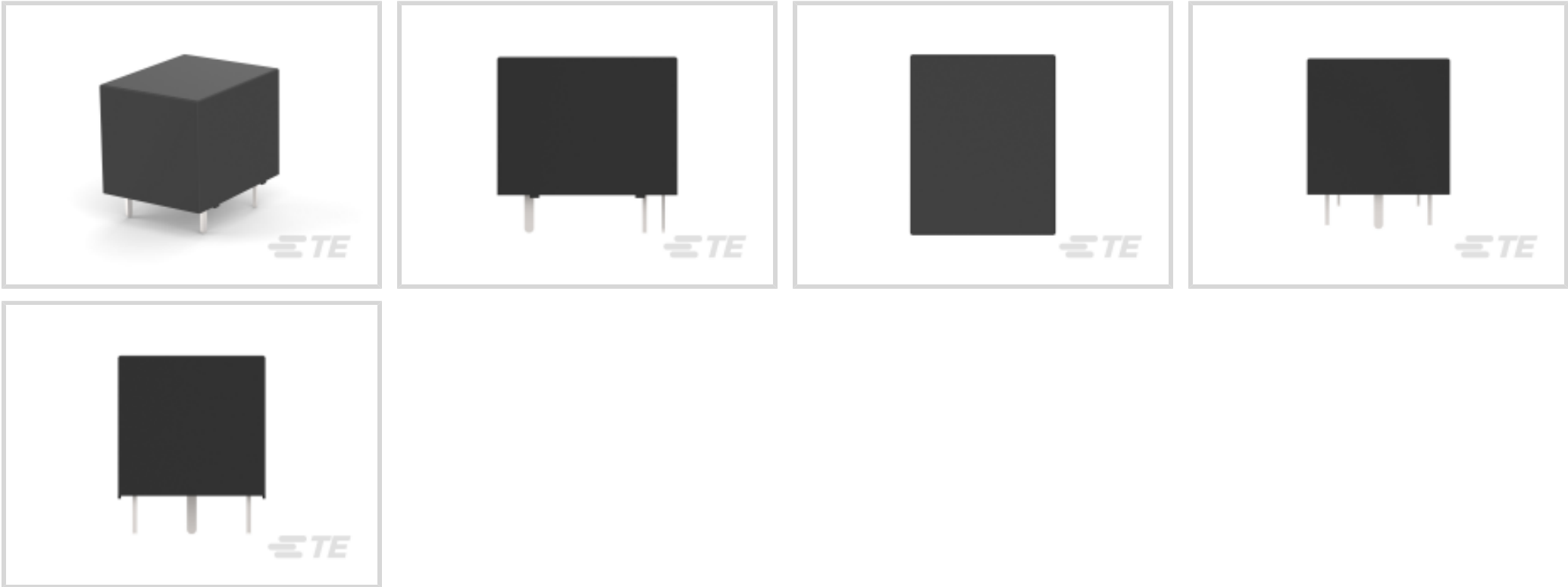
TE Internal #: 1-1721150-0

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 10 A Contact Rating, 5 VDC Coil Voltage, SCHRACK Miniature PCB Relay ORWH

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Relays & Contactors > Electromechanical Relays > Miniature PCB Relay - ORWH - 10 Amp



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Contact Current Rating: **10 A**

[All Miniature PCB Relay - ORWH - 10 Amp \(5\)](#)

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	10 A
Contact Limiting Making Current	10 A
Contact Limiting Continuous Current	10 A
Contact Limiting Breaking Current	10 A
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms



Coil Current	.071 A
Contact Switching Voltage (Max)	277 VAC
Contact Switching Load (Min)	100mA @ 5V
Coil Resistance	70 Ω
Insulation Initial Resistance	1000 M Ω
Contact Current Rating	10 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	28 VDC
Coil Power Rating DC	.36 W
Insulation Initial Dielectric Between Contacts & Coil	1500 Vrms

Body Features

Product Weight	9.5 g[.335 oz]
Primary Product Color	Black
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	AgZnO
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Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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Dimensions

Insulation Clearance Between Contact & Coil	3.2 mm[.126 in]
Insulation Creepage Between Contact & Coil	3.2 mm[.126 in]
Product Width	15.5 mm[.61 in]
Product Length	19 mm[.748 in]
Product Height	15.8 mm[.622 in]

Usage Conditions

Operating Temperature Range	-30 – 85 °C[-22 – 185 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]



Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Box & Tray
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Other

Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	15 – 16 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	12 – 16 mm

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

ORWH-SH-105D1F,000

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 10 A Contact Rating, 5 VDC Coil Voltage, SCHRACK Miniature PCB Relay ORWH



TE Part # 2071448-2
ORWH-SS-112DM1F,000

TE Part # 1-2071448-0
ORWH-SH-112HM3F,000

TE Part # 2071448-8
ORWH-SH-112DM1F,000

TE Part # CAT-OE4-OR9
Miniature PCB Relay - ORWH - 10 Amp

Also in the Series | SCHRACK Miniature PCB Relay ORWH

General Purpose Power Relays(14)

PCB Relays(14)

Customers Also Bought

TE Part #35247
TERMINAL,SOLIS R 8 1/4

TE Part #2176344-7
CRGCQ 1206 10R 5%

TE Part #1-2176340-1
CRGCQ 0603 47R 5%

TE Part #5-1609152-1
20SRB1=F8424

TE Part #1-1721150-5
ORWH-SH-124D1F,000

TE Part #NB16412001
RW-175-1/8-X-STK

TE Part #3-2176339-0
CRGCQ 0603 2K7 1%

TE Part #2-1825138-8
A201SYZQ04

TE Part #M3031-000005-100PG
PRESS XDCR M3031-000005-100PG

TE Part #3-641190-6
06P MTA100 CONN ASSY RED LF



Documents

Product Drawings

ORWH-SH-105D1F,000

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1721150-0_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1721150-0_G.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1721150-0_G.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

ORWH Series Relay Data Sheet English

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

CQC_CERT_18002196616_C1

English