

ORWH-SH-112D1F,000

✓ ACTIVE

OEG | SCHRACK Miniature PCB Relay ORWH

TE Part # 1-1721150-3

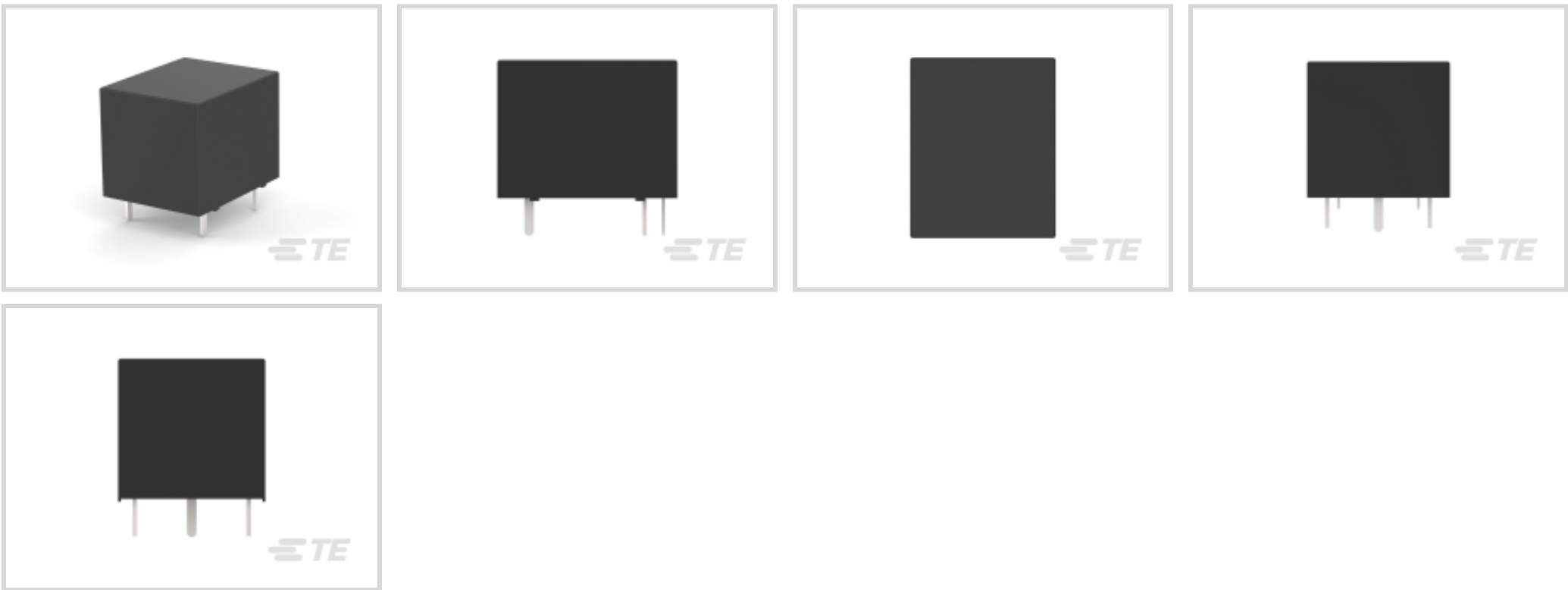
TE Internal #: ORWH-SH-112D1F,000

ORWH 10 AMP PCB RELAY

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Relays, Contactors & Switches > Relays > Power Relays > ORWH 10 AMP PCB RELAY



Power Relay Type: **Standard**
Coil Magnetic System: **Monostable, DC**
Coil Power Rating Class: **300 – 400 mW**
Coil Power Rating DC: **360 mW**
Coil Resistance: **400 Ω**

[All ORWH 10 AMP PCB RELAY \(5\)](#)

Features

Product Type Features

Power Relay Type	Standard
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	1000 – 1500 V
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 A
Insulation Creepage Class	3 – 5.5 mm
Insulation Initial Dielectric Between Contacts & Coil	1500 Vrms
Insulation Creepage Between Contact & Coil	3.2 mm[.125 in]
Contact Limiting Breaking Current	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	300 – 400 mW



Coil Power Rating DC	360 mW
Coil Resistance	400 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Voltage (Max)	28 VDC
Contact Voltage Rating	28 VDC

Body Features

Product Weight	9.5 g[.335 oz]
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Contact Features

Contact Arrangement	1 Form C (CO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	10 A
Contact Material	AgZnO
Contact Number of Poles	1
Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Class	0 – 2.5 mm
Height Class (Mechanical)	15 – 16 mm
Insulation Clearance Between Contact & Coil	1.6 mm[.093 in]
Width Class (Mechanical)	12 – 16 mm
Product Width	15.5 mm[.61 in]
Product Length	19 mm[.748 in]
Product Height	15.8 mm[.622 in]

Usage Conditions

Environmental Ambient Temperature Class	70 – 85 °C
Environmental Ambient Temperature (Max)	70 °C[185 °F]
Environmental Category of Protection	RTIII

Packaging Features

Packaging Method	Box & Tube, Tube
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Product Compliance

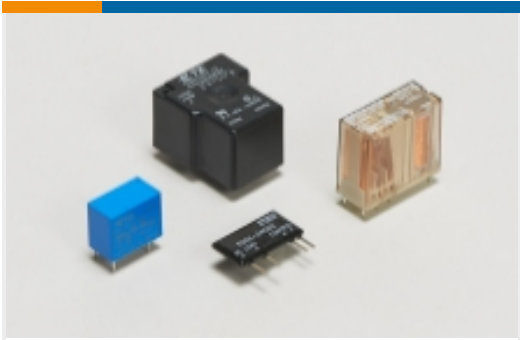
[For compliance documentation, visit the product page on TE.com>](#)

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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | SCHRACK Miniature PCB Relay ORWH



Power Relays(5)

Customers Also Bought



TE Part #2-1437565-8
FSM2JSMAA=TACTILE
260G FORCE S

TE Part #2-84952-0
1MM FPC HORZ.BTTM
CONT.ASS.20P

TE Part #1825910-7
FSM4JAH=6MM TACT
SWITCH, HIGH TEMP

TE Part #440055-2
2.0MM,HDR,2POS,R/A

TE Part #1-1318300-2
3.96 EP HDR ASSY 2P NAT
/TUBE

TE Part #1735446-4
2MM PITCH HPI POST
HEADER, VERTICAL, 4P

TE Part #1473149-4
SEMI-HARD TRAY ASSY
DDR2 SODIMM 5.2H ST

Documents

Product Drawings
ORWH-SH-112D1F,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1721150-3_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1721150-3_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1721150-3_F.3d_stp.zip

English

Datasheets & Catalog Pages

ORWH Series Relay Data Sheet English

English

Industrial Relays Quick Reference Guide

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications



Definitions Relays

English