

PCFN-112H2MS,02000 ✓ ACTIVE



OEG | OEG Power PCB Relay PCFN Solar

TE Internal #: 2071169-1

Power Relays, Standard, Monostable, DC, 1500 mW Coil Power Rating DC, 96 Ω Coil Resistance, UL Coil Insulation Class F, OEG Power PCB Relay PCFN Solar

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Relays, Contactors & Switches > Relays > Power Relays > PCFN SOLAR RELAY



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **1000 – 1500 mW**

Coil Power Rating DC: **1500 mW**

Coil Resistance: **96 Ω**

[All PCFN SOLAR RELAY \(3\)](#)

Features

Product Type Features

Enclosure Type	Plastic Dust Cover
Output Type	AC
Power Relay Type	Standard

Configuration Features

Output Switching	Random
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Input Voltage Typical	0 – 6 VDC
Output Current Rating	0 – 26 Arms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Contact Limiting Short-Time Current	26 A



Coil Power Rating	1.5 W
Insulation Creepage Class	5.5 – 8 mm
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Resistance	1000 M Ω
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Output Voltage (Max)	277 V
Contact Limiting Making Current	26 A
Insulation Creepage Between Contact & Coil	6.1 mm[.24 in]
Contact Limiting Continuous Current	26 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Output Current (Min)	1 A
Contact Limiting Breaking Current	26 A
Coil Current	.125 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	1000 – 1500 mW
Coil Power Rating DC	1500 mW
Coil Resistance	96 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	1A @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC

Body Features

Insulation Special Features	Tracking Index of Relay Base PTI175
Product Weight	28 g[.988 oz]
Packaging Style	Panel Mount
Case Color	Black

Contact Features

Contact Plating Material	AgSnO
Switch Arrangement	1 Form A (SPST-NO)
Contact Special Features	1.8mm Contact Gap
Contact Arrangement	1 Form A (NO)
Contact Current Class	16 A, 20 – 30 A



Contact Current Rating (Max)	26 A
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Contact Material	AgSnO2
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Contact Number of Poles	1
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Relay Terminal Type	PCB-THT
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Termination Features

Relay Termination Type	Printed Circuit Terminals
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	30 – 35 mm
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Height Class (Mechanical)	25 – 30 mm
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Insulation Clearance Between Contact & Coil	6.1 mm[.24 in]
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Insulation Clearance Class	5 – 8 mm
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Width Class (Mechanical)	12 – 16 mm
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Product Width	16 mm[.63 in]
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Product Length	30.4 mm[1.197 in]
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Product Height	26.5 mm[1.043 in]
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Usage Conditions

Environmental Ambient Temperature (Max)	75 °C[167 °F]
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Environmental Ambient Temperature Class	70 – 85 °C
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Operating Temperature Range	-25 – 75 °C, -25 – 75 °C[-13 – 167 °F]
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Packaging Features

Packaging Method	Tube
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
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Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not reviewed for solder process capability

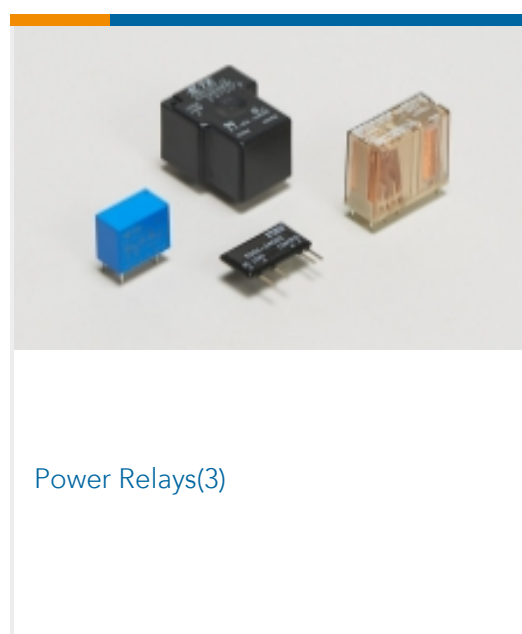
Product Compliance Disclaimer

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



Also in the Series | OEG Power PCB Relay PCFN Solar



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2071169-1_A.2d_dxf.zip](#)

English

Customer View Model



[ENG_CVM_CVM_2071169-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2071169-1_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[PCFN Solar 1.8 Relay Datasheet](#)

English

[PCFN Solar Relay Datasheet](#)

English

[PCFN Solar Relay](#)

English

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English