

PCFN-124D2M,000 ! PENDING OBSOLESCENCE

OEG | OEG Power PCB Relay PCFN Solar

TE Internal #: 1461193-9

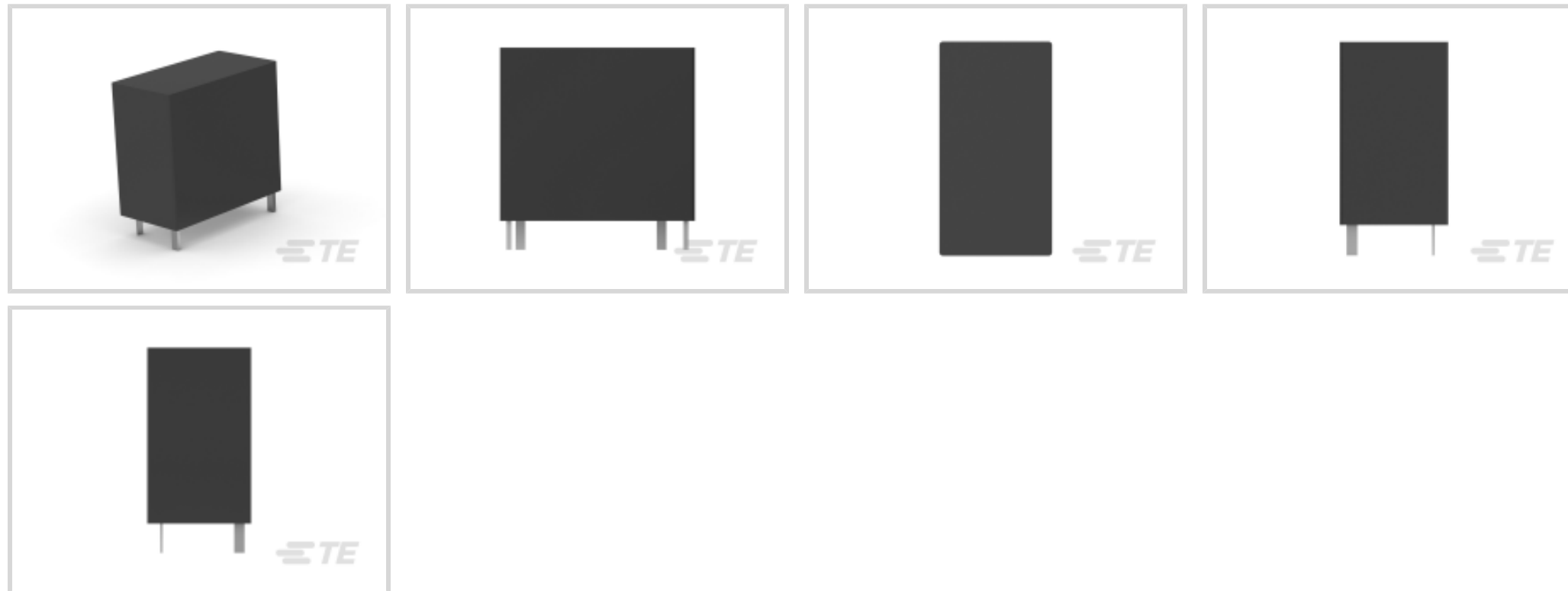
TE Internal Description: PCFN-124D2M,000

PCN 3A/5A SLIM PCB RELAY 4VDC

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays > PCN 3A/5A SLIM PCB RELAY 4VDC



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **800 – 1000 mW**

Coil Power Rating DC: **900 mW**

Coil Resistance: **640 Ω**

[All PCN 3A/5A SLIM PCB RELAY 4VDC \(3\)](#)

Features

Product Type Features

Power Relay Type	Standard
------------------	----------

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	25 A
Contact Limiting Short-Time Current	25 A
Contact Limiting Continuous Current	25 A
Insulation Creepage Class	5.5 – 8 mm
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Insulation Initial Resistance	1000 M Ω
Insulation Creepage Between Contact & Coil	8 mm [.315 in]
Contact Limiting Breaking Current	25 A
Coil Magnetic System	Monostable, DC

Coil Power Rating Class	800 – 1000 mW
-------------------------	---------------

Coil Power Rating DC	900 mW
----------------------	--------

Coil Resistance	640 Ω
-----------------	--------------

Coil Special Features	UL Coil Insulation Class A
-----------------------	----------------------------

Coil Voltage Rating	24 VDC
---------------------	--------

Contact Switching Load (Min)	100mA @ 1V
------------------------------	------------

Contact Voltage Rating	24 VDC
------------------------	--------

Body Features

Insulation Special Features	8000V Initial Surge Withstand Voltage between Contacts & Coil
-----------------------------	---

Product Weight	28 g[.988 oz]
----------------	---------------

Contact Features

Contact Arrangement	1 Form A (NO)
---------------------	---------------

Contact Current Class	16 A, 20 – 30 A
-----------------------	-----------------

Contact Current Rating (Max)	25 A
------------------------------	------

Contact Material	AgSnO
------------------	-------

Contact Number of Poles	1
-------------------------	---

Relay Terminal Type	PCB-THT
---------------------	---------

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
---------------------	-----------------------

Dimensions

Length Class (Mechanical)	30 – 35 mm
---------------------------	------------

Insulation Clearance Class	5 – 8 mm
----------------------------	----------

Height Class (Mechanical)	25 – 30 mm
---------------------------	------------

Insulation Clearance Between Contact & Coil	6.7 mm[.264 in]
---	-----------------

Width Class (Mechanical)	12 – 16 mm
--------------------------	------------

Product Width	16 mm[.63 in]
---------------	---------------

Product Length	30.4 mm[1.197 in]
----------------	-------------------

Product Height	26.5 mm[1.043 in]
----------------	-------------------

Usage Conditions

Environmental Ambient Temperature Class	50 – 70 °C
---	------------

Environmental Ambient Temperature (Max)	55 °C[131 °F]
---	---------------

Packaging Features

Packaging Method

Tube

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUNE 2022 (224)
 Candidate List Declared Against: JAN 2021 (211)
 Does not contain REACH SVHC

Halogen Content

Not Yet Reviewed for halogen content

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



Also in the Series | [OEG Power PCB Relay PCFN Solar](#)



Power Relays(3)

Documents

Product Drawings

[PCFN-124D2M,000](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1461193-9_C_c-1461193-9-c.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1461193-9_C_c-1461193-9-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1461193-9_C_c-1461193-9-c.3d_stp.zip](#)

English

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

Product Specifications

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

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English