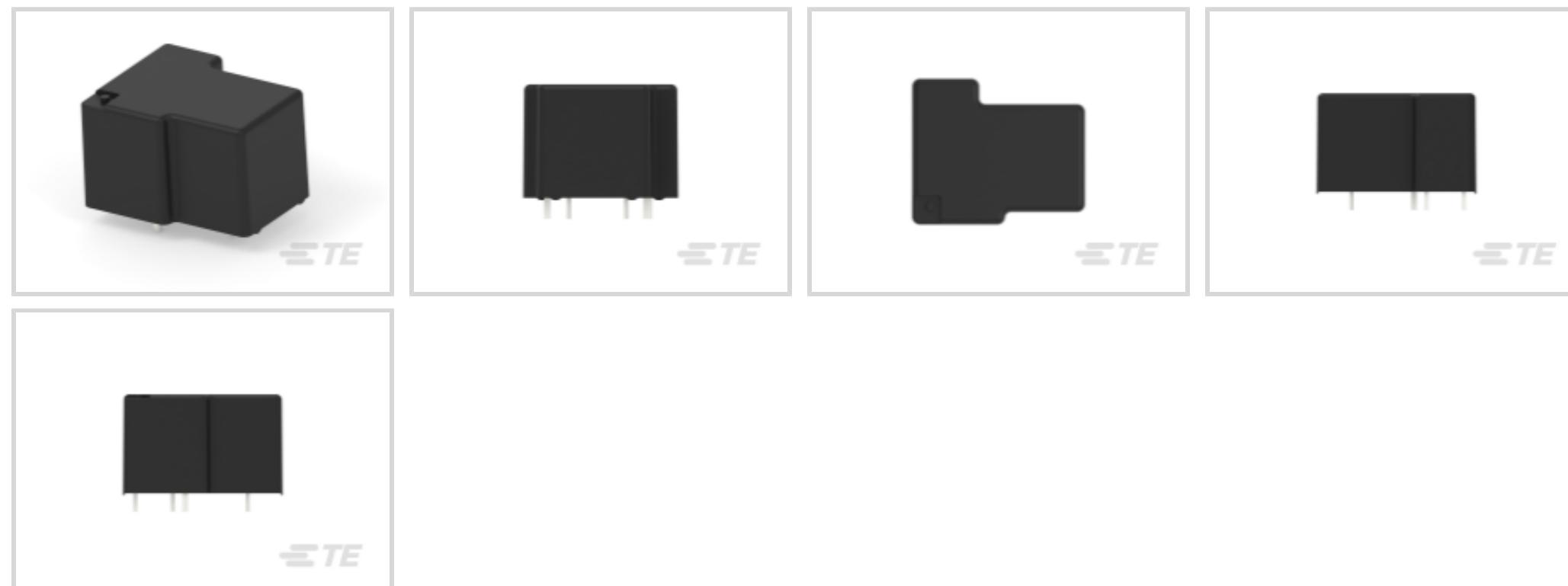


Relays & Contactors > Relays > Power Relays > PCB Power Relay: 30 Amp, Monostable DC



Relay Type: Standard

Coil Magnetic System: Monostable, DC

Coil Power Rating DC: 900 mW

Coil Resistance: 155 Ω

Coil Special Features: UL Coil Insulation Class F

[All PCB Power Relay: 30 Amp, Monostable DC \(67\)](#)

Features

Product Type Features

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

Configuration Features

Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
-----------------------------	---

Coil Special Features	UL Coil Insulation Class F
-----------------------	----------------------------

Contact Arrangement	1 Form C (CO)
---------------------	---------------

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

Electrical Characteristics

Output Current Rating	0 - 10 Arms, 0 - 20 Arms
-----------------------	--------------------------

Coil Current	.076 A
--------------	--------

Insulation Initial Dielectric Between Open Contacts	1500 Vrms
---	-----------

Contact Limiting Short-Time Current	20 A
-------------------------------------	------

Coil Power Rating	.9 W
-------------------	------

Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	1000 MΩ
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Output Voltage (Max)	240 V
Contact Limiting Making Current	20 A
Contact Limiting Continuous Current	20 A
Output Voltage Rating (AC Relays)	0 - 240 Vrms
Output Current (Min)	1 A
Contact Limiting Breaking Current	20 A
Coil Power Rating DC	900 mW
Coil Resistance	155 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	20 A
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC

Body Features

Enclosure Type	Sealed
Primary Product Color	Black
Product Weight	26 g [.918 oz]

Contact Features

Contact Plating Material	AgCdO
Contact Material	AgCdO

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board
--------------------	-----------------------

Dimensions

Insulation Clearance Between Contact & Coil	3.18 mm [.125 in]
Insulation Creepage Between Contact & Coil	6.36 mm [.25 in]
Product Width	27.43 mm [1.08 in]

Product Length	32.51 mm[1.28 in]
----------------	-------------------

Product Height	20.4 mm[.803 in]
----------------	------------------

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
---	---------------

Operating Temperature Range	-55 - 85 °C[-67 - 185 °F]
-----------------------------	---------------------------

Operation/Application

Actuating System	DC
------------------	----

Solder Process	Wave Solder
----------------	-------------

Output Switching	Random
------------------	--------

Output Current Type	AC
---------------------	----

Coil Magnetic System	Monostable, DC
----------------------	----------------

Packaging Features

Packaging Method	Box & Tray, Bundle
------------------	--------------------

Other

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

Insulation Initial Dielectric Between Coil & Contact Class	1500 - 2500 V
--	---------------

Insulation Creepage Class	5.5 - 8 mm
---------------------------	------------

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

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

Environmental Ambient Temperature Class	70 - 85 °C
---	------------

Insulation Clearance Class	2.5 - 4 mm
----------------------------	------------

Width Class (Mechanical)	25 - 30 mm
--------------------------	------------

Contact Current Class	16 A
-----------------------	------

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
------------------------------	---------------------------

EU ELV Directive 2000/53/EC	Compliant
-----------------------------	-----------

China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
---	--------------------------------------

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240)
--	--

	Candidate List Declared Against: JAN 2024 (240)
--	--

	SVHC > Threshold:
--	-------------------

Cadmium oxide (10% in Component Part)

Article Safe Usage Statements:

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

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

Solder Process Capability

Wave solder capable to 260°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



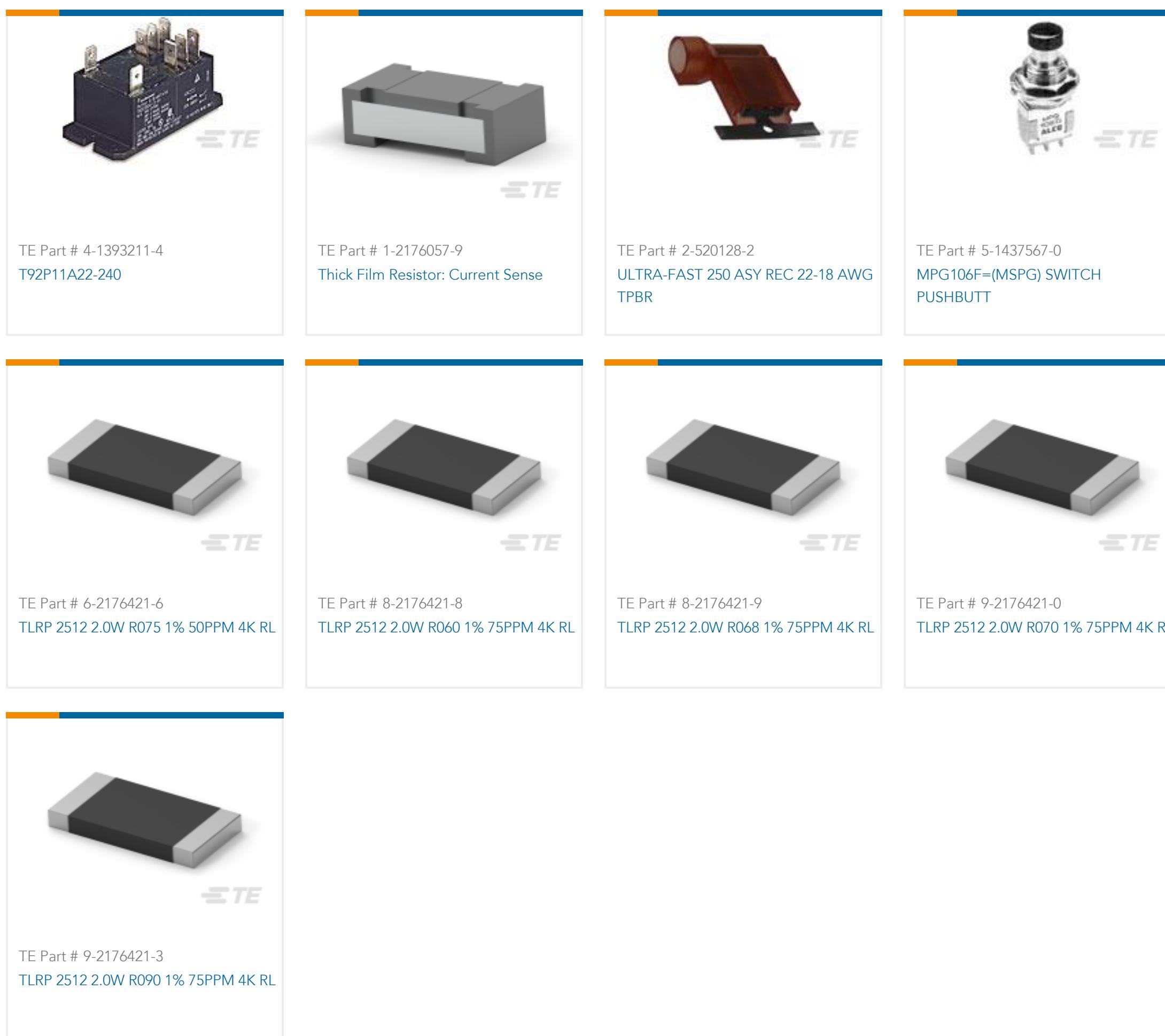
TE Part # 4-1393210-2
 T9AS5L12-24

Also in the Series | [Potter & Brumfield T9A](#)



[Power Relays\(67\)](#)

Customers Also Bought



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_4-1393210-1_K1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1393210-1_K1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1393210-1_K1.3d_igs.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

T9A Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

[Agency Approval Document](#)

English