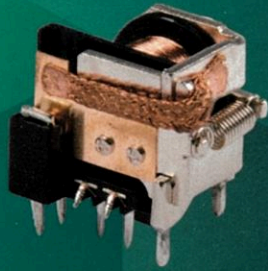


Automotive

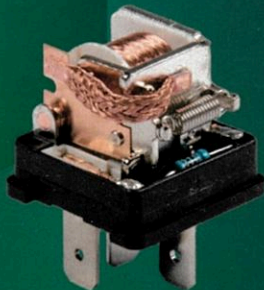
PC822-1A-12-A-X

- A Small PCB Mount Package with a 45 Amp 14 VDC Steady State Resistive Rating
- Designed to Switch Inductive Loads with up to 100 Amps of Surge Current
- Note the Braided Copper Wire which Conducts Heat from the Contacts to the Over-Sized Metal Frame then into the PCB



PC792A-1C-C1-12C-N-X

- 40/30 Amp 14 VDC Resistive Rated, Mini ISO Relay
- Popular Footprint with Superior Design Features
- Includes a Braided Copper Wire to Pull Heat from the Contacts and a Physical Spring to provide Normally Closed Contact Pressure

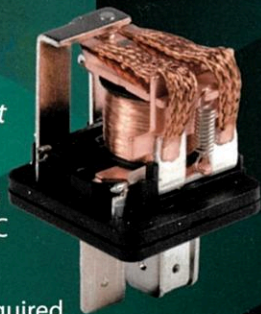


See the White Paper Picker's PC792A - A High Reliability Automotive Relay

PC7150-1C-C2-24-N-X

Picker's Highest Capacity Mobility Relay for the Most Demanding Applications

- 150 Amps 14 VDC Normally Open and 100 Amps 14 VDC Normally Closed
- Extra Large Contacts are required for high current capacity
- Two Braided Copper Wires to Dissipate Heat from the Contacts
- A Single Piece Common Pin with a Forked Design to Accommodate the Double Braided Copper Wires and Efficiently Radiate Heat into a Socket or PCB
- Available in a Maxi Socket or PCB Mount
- Class H, 150°C Operating Temperature, Coil Wire Option

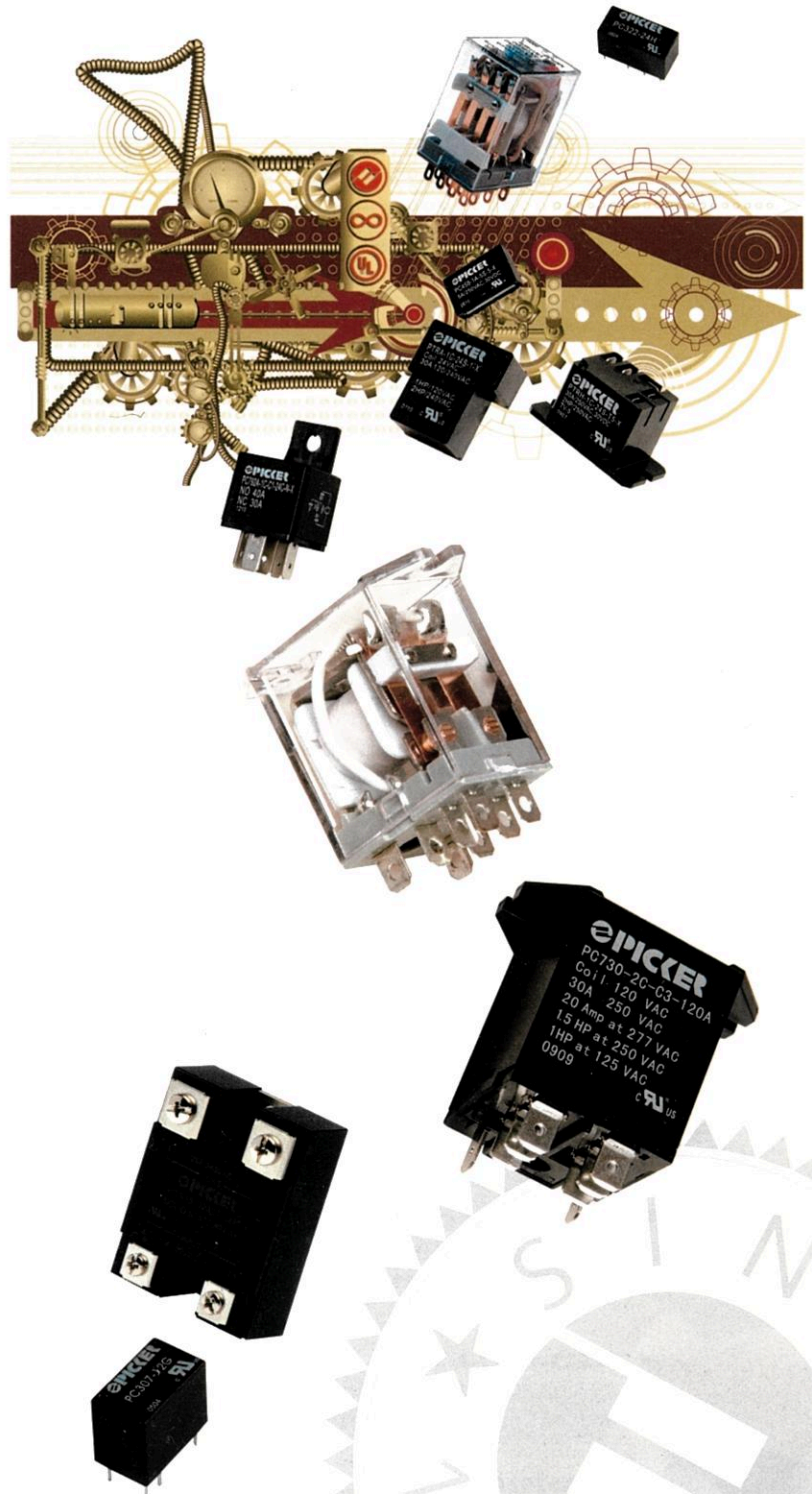


See PC7150 White Paper for More Details

www.PickerComponents.com

PICKER®

A Sampling Of Our Relays



Making The Connection

Mobility / Automotive Relays

For Use in Battery Powered Application including Transportation, Solar, Off Grid, Remote, Robotics, ATV/UTV, Lawn Equipment, etc. All Automotive Relays are offered in a PCB Version.



◀◀ **PC781-1A-125-R-X**
15 Amp Micro ISO 280 Automotive Miniature Package. For Use in Low Power Accessory Sockets

PC236-1C-125-X ▶▶
20/15 Amp Sub-Miniature PCB Relay
Also UL Approved for 10 Amp @ 120 VAC



◀◀ **PC782-1C-125-R-X**
25/20 Amp Micro ISO Relay; Small Footprint; Applications: Fuse Box, Motor Control
See PC782H for 30/25 Amp Version



PC798-1A-C2-12C-N-X ▶▶
30 Amp Mini ISO Relay with On Board Fuse, Two Functions in One Package



◀◀ **PC785-1C-125-R-X**
35/25 ISO 280 Relay, Applications: Fuse Box, Motor Control, Inductive Loads

PC792A-1C-C1-12C-N-X ▶▶
40/30 Amp, Mini ISO Relay, Superior Design. Includes a Braided Copper Wire to Efficiently Dissipate Heat Away from the Contacts and a Physical Spring to Provide Normally Closed Contact Pressure



◀◀ **PC792A-1A-P-125-X**
40/30 Amp, Mini ISO Relay, PCB Mount. All Automotive Relays are offered in a PCB Version

PC792C-1C-C-12C-RN-X ▶▶
Picker offers the Mini ISO Package in 50 Amp and 60 Amp Current Ratings. The PC792C and new PC792E are 50/40 Amp versions and the PC792H is a 60/40 Amp

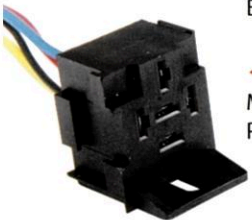


◀◀ **PC792A-1C-C3-125-RN-X**
40/30 Amp, Mini ISO Relay, Shrouded Cover with a Metal Tab to seal the leads

PC822-1A-12-A-X ▶▶
45 Amp PCB Relay, Small Footprint, Utilizes a Braided Copper Wire, 100 Amp Switching



◀◀ **SC792A**
Mini ISO Relay Socket for PC792 Series, Prewired, Stackable, with Mounting Tab



Automotive Relays

80+ Amp ISO Maxi Plug In Relays



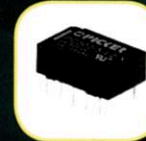
◀◀ **PC795-1C-C2-125-N-X**
For High Current Motor Control Applications – See PC796 Optimized for Dynamic Braking Applications



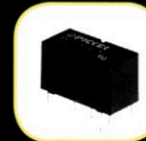
◀◀ **PC7150-1C-C2-24C-N-X**
150/100 Amp Maxi ISO Relay, For High Current & High In-Rush Motor Control Applications When an 80 Amp Relay is Just Not Big Enough

Signal Relays

Low Coil Power and Gold Plated Contacts for Low Contact Resistance Differentiate Signal Relays for use in High Sensitivity Applications up to 3 Amps



◀◀ **PC302-12-X**
1 Amp Micro Miniature Signal Relay in a Low Profile 0.300" Dual In-Line Package



◀◀ **PC323-5L-X**
1 Amp Sub Miniature Signal Relay Offering Three Coil Sensitivities

Latching Relays

Latching Relays Require No Standby Coil Current for Green Low Power Applications



◀◀ **PC375L-1C-12-L2-X**
16 Amp 250 VAC Latching Relay in a Popular 0.300" Dual In-Line Package Offered with Single or Dual Coils



◀◀ **PC10L-50-1A-12-X**
50 Amp 277 VAC Latching with a Manual Switch on Top, Also Available: 60 Amp or 80 Amp Versions
Application: Distributed Power Control Box Switching



◀◀ **PC18L-60-1A-12AD-X**
60 Amp Latching, Rated for 1,800 Amp Peak Current Spikes, Primarily used in Electric Meters



◀◀ **PCT90EL-1C-12-X**
50 Amp 277 VAC Single Coil Latching in the Popular T90 Footprint, Designed for Green Power Saving Applications

Solid State Relays

Solid State and optically isolated, SSRs are faster, more reliable, quite, offer reduced EMI, can handle higher in-rush currents and have a higher vibration resistance than standard Electro-Mechanical Relays



◀◀ **PCS15-D-240A-20ZLQ**
20 Amp Switching, a Low Cost SSR in the Hockey Puck Package, Offered With Zero Crossing or Random Turn-On



◀◀ **PCS15-D-240A-40ZL**
40 Amp Switching, a Low Cost SSR in the Hockey Puck Package, Offered with AC or DC Control Voltages, Built-In Snubber, Optional Indicator LED



◀◀ **PCS53-D-240A-25ZQ**
25 Amp Switching in a Compact Hockey Puck Package, with Built-In Snubber and Optional LED



◀◀ **PCS32-24C-24D-3**
3 Amp SSR in a popular In-Line package. Available with an AC or DC coil.

Power Relays General Purpose

Often Referred to as Ice Cube Relays, they have Applications in Building Automation, Industrial Controls, Motor Drive Circuits and HVAC. They are Often Mounted in a Panel or Control Box and can be Socket Mounted on a DIN Rail



◀◀ **PC118-4C-P-24A-X**
5/7 Amp 240 VAC, 30 VDC, 2/4 Pole Ice Cube Relay, Available in DC or AC Coil Versions



◀◀ **PC113-2C-C1-24D-X**
10/20 Amp 240 VAC 30VDC, Popular Ice Cube Relay, Available with AC or DC Coils, Single or Double Poles



◀◀ **PC730-2C-C1-240A**
30 Amp 250 VAC 28 VDC 1.2 HP 240 VAC 2 Pole Ice Cube Relay. Applications include AC Power Transmission, Safety Relay, HVAC and Motor Control



◀◀ **PC740-2C-C1-24D**
40 Amp 2 HP 250 VAC 2 or 3 Pole Relay; Applications include Three-Phase Power Switching, Motor Control

UL Rated Power Relays

Switching up to 50 Amps Power Relays are Designed into Applications in HVAC, Motor Controls, Heaters, Traffic Controls, Automation, Building Controls, Lighting Controls, Cranes, Elevators, Greenhouses, and More.

PC466-1A-24S-X * ▶▶

5 Amp Ultra Slim Package with Sensitive 200mW Coil and 4kV Dielectric, for applications where PCB Space is at a Premium



◀◀ PC835-1A-12A-G-X

Smallest 10 Amp PCB Power Relay, 3.5kV Dielectric, Option: 125°C Operating Temp



PC415H-1C-24S-X * ▶▶

15 Amp Sugar Cube Relay with Class F Insulation 125°C Operating Temperature Option



◀◀ PC375-2C-12S4-X

16 Amp Popular 0.300" Dual In Line Package Offered in Four Contact Form Versions



PC236-1C-12S-X ▶▶

10 Amp Sub-Miniature PCB Relay, Smaller than a Sugar Cube Relay



◀◀ PC520

20 Amp 125 VAC Sugar Cube Relay Designed for High In-Rush Current Applications such as LED Controls



PTRH-1A-12S-X * ▶▶

30 Amp T90 Style Relay, Popular Footprint, Class F Insulation 125°C Operating Temperature Option



◀◀ PTRH-1A-12SF-T2-X

30 Amp T91 Style Relay, with PC Pins on the Bottom & Top Side Quick Connect Power Pins



PTRH-1C-24S-T5-X ▶▶

30 Amp T91 Style Relay, with Top Side Quick Connect Pins and Mounting Ears



◀◀ PTRH-1C-12S-T5-XA

30 Amp T91 Style Relay, Note the Alternate Pin Out with the Common Pin Moved



PTRD-1C-5S-OT3-X ▶▶

40 Amp T91 Style Relay, The OT Package Option is Without the Finger Guards



◀◀ PTRDE-1C-12T-1-X

40 Amp T90 Style Relay, Enhanced UL Rating: 40 Amps 250 VAC Resistive at 50,000 Cycles



UL Power

PC520-1C-12-X

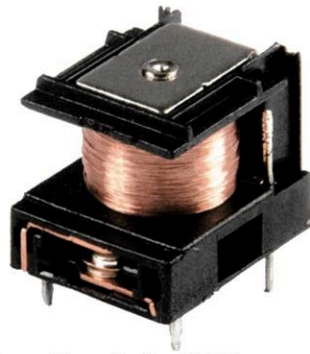
- 20 Amp 125 VAC UL Rated Sugar Cube Relay

Picker's Design is Focused on Efficiently Dissipating Heat Away from the Contacts.

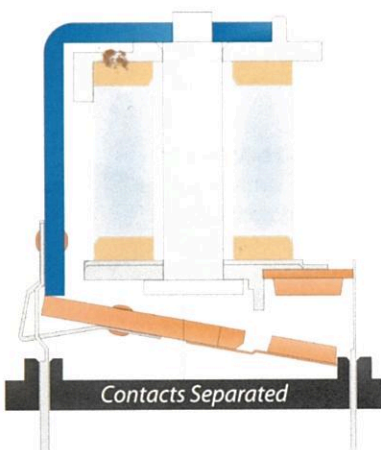
Features:

- The Contacts are located on the Bottom, Close to the PC Pins
- A Heat Transfer Pad Adjacent to the Contacts Acting as a Radiator Quickly Cooling the Contacts during High Surge Currents
- An Oversized Iron Core Inside the Coil again to Radiate Heat

The Result of these Design Features is a Small Packaged High Performance Relay for use in Extreme Applications

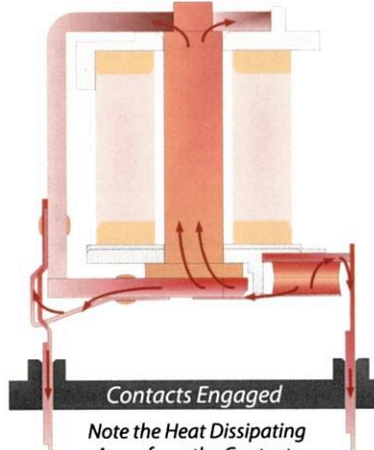


NO Current to Coil



Contacts Separated

Coil Energized



Contacts Engaged

Note the Heat Dissipating Away from the Contacts Through the Metal Plate and into the Iron Coil Core

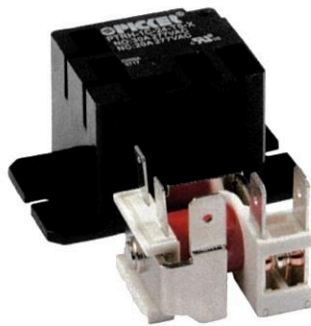
PTRH-1C-24-T5-X

Features:

- 30 Amp 277 VAC UL Rated T90 Relay
- Note the Large Metal Pins Extending Up from the Contacts
- The Large Metal Common Pin Frame

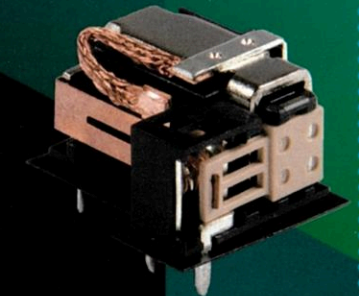
These Features are Inherently Excellent Dissipaters of Heat

Class F 125°C Operating Temperature is Standard



PCT90EL-1C-12-X

- 50 Amp 277 VAC UL Rated T90 Relay
- Note the Latching Mechanisms Operation, you can Physically Switch it with Your Finger
- 50 Amps Requires Over Sized Contacts
- A Braided Copper Wire to Efficiently Dissipate Heat to the Relay Frame
- The UL Rating is 50 Amps at 277 VAC for this T90 Style Relay
- Class F 125°C Operating Temperature is Standard
- This Latching Relay is also Available in Cost Effective 30 and 40 Amp Versions



PTRDE-1C-12T-1-X

- 40 Amp 240 VAC 50,000 Cycles UL Rated T90 Relay
- Over-Sized Contacts
- The Addition of the Braided Copper Wire to Efficiently Dissipate Heat to the Relay Frame and Common Pin Result an Enhanced UL Ratings at 50K Cycles for this Industry Standard Footprint
- Class F 125°C Operating Temperature is Standard
- Suitable for the Many 40 Amp Applications where an Additional Guard Band would add to the Reliability of the Relay

