



Relays, Contactors & Switches > Relays > Signal Relays > CRADLE P/W RELAY V23003



Contact Voltage Rating: **125 VAC**

Signal Relay Coil Power Rating (DC): **288 mW**

Signal Relay Mounting Type: **Printed Circuit Board**

Signal Relay Terminal Type: **Plug-In, Solder**

[All CRADLE P/W RELAY V23003 \(21\)](#)

Features

Product Type Features

|              |                       |
|--------------|-----------------------|
| Relay Type   | Cradle P Relay V23003 |
| Relay Style  | Cradle P Relay        |
| Product Type | Relay                 |

Electrical Characteristics

|                                                         |           |
|---------------------------------------------------------|-----------|
| Coil Power Rating Class                                 | 1 – 1.5 W |
| Actuating System                                        | AC/DC     |
| Input Voltage                                           | 150 VDC   |
| Insulation Initial Dielectric Between Open Contacts     | 500 Vrms  |
| Contact Limiting Short-Time Current                     | 2 A       |
| Insulation Initial Dielectric Between Adjacent Contacts | 500 Vrms  |
| Power Consumption                                       | 1500 mW   |
| Contact Limiting Making Current                         | 2 A       |
| Coil Resistance                                         | 2400 Ω    |
| Contact Limiting Continuous Current                     | 2 A       |
| Coil Type                                               | Bistable  |
| Contact Limiting Breaking Current                       | 2 A       |
| Contact Voltage Rating                                  | 125 VAC   |
| Signal Relay Coil Power Rating (DC)                     | 288 mW    |



|                                              |                              |
|----------------------------------------------|------------------------------|
| Signal Relay Coil Voltage Rating             | 60 VDC                       |
| Signal Relay Contact Switching Voltage (Max) | 125 VAC                      |
| Signal Relay Coil Magnetic System            | Bistable, 2 Coils, Polarized |

Body Features

|        |                |
|--------|----------------|
| Weight | 25 g[1.058 oz] |
|--------|----------------|

Contact Features

|                                     |                  |
|-------------------------------------|------------------|
| Contact Plating Material            | Gold             |
| Contact Current Class               | 0 – 2 A          |
| Signal Relay Terminal Type          | Plug-In, Solder  |
| Signal Relay Contact Current Rating | 2 A              |
| Signal Relay Contact Arrangement    | 2 Form C (CO)    |
| Contact Material                    | Ag, Gold Flashed |
| Contact Number of Poles             | 2                |

Termination Features

|                  |                  |
|------------------|------------------|
| Termination Type | Solder Terminals |
|------------------|------------------|

Mechanical Attachment

|                            |                       |
|----------------------------|-----------------------|
| Signal Relay Mounting Type | Printed Circuit Board |
|----------------------------|-----------------------|

Dimensions

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Width Class (Mechanical)             | 12 – 16 mm                              |
| Width                                | 13 mm[.512 in]                          |
| Height                               | 30 mm[1.181 in]                         |
| Length Class (Mechanical)            | 20 – 25 mm                              |
| Length                               | 24 mm[.945 in]                          |
| Height Class (Mechanical)            | 25 – 30 mm                              |
| Dimensions (L x W x H) (Approximate) | 19 x 24 x 30 mm[.748 x .945 x 1.181 in] |

Usage Conditions

|                                         |               |
|-----------------------------------------|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
| Environmental Ambient Temperature Class | 50 – 70°C     |
| Operating Temperature Range             | -40 – 70 °C   |

Operation/Application

|                  |          |
|------------------|----------|
| Performance Type | Standard |
|------------------|----------|

Packaging Features



|                  |              |
|------------------|--------------|
| Packaging Method | Box & Carton |
|------------------|--------------|

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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                           |
| 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



TE Part # CAT-AX41-C8422  
CRADLE RELAY ACCESSORY



TE Part # 1393827-1  
V23154Z1021

Also in the Series | Axicom Cradle Relay P/W



Customers Also Bought

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1393817-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1393817-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1393817-8\_A.3d\_stp.zip

English

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

- Datasheets & Catalog Pages

Industrial Relays Quick Reference Guide

English



Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Product Specification

English

Definitions, Handling, Processing, Testing and Use of Relays

English