



Relays, Contactors & Switches > Relays > Signal Relays

Contact Voltage Rating: **120 VDC**Signal Relay Coil Power Rating (DC): **203 mW**Signal Relay Mounting Type: **Printed Circuit Board**Signal Relay Terminal Type: **PCB-THT**

Features

Product Type Features

| | |
|--------------|-------------------------|
| Relay Type | W11 Relay V23101 |
| Relay Style | W11 V23101 Signal Relay |
| Product Type | Relay |

Electrical Characteristics

| | |
|--|--------------|
| Coil Power Rating Class | 400 – 500 mW |
| Actuating System | DC |
| Insulation Initial Dielectric Between Open Contacts | 750 Vrms |
| Contact Limiting Short-Time Current | 3 A |
| Insulation Initial Dielectric Between Contacts and Coil | 1000 Vrms |
| Insulation Initial Dielectric Between Coil/Contact Class | 500 – 1000 V |
| Power Consumption | 200 mW |
| Insulation Initial Resistance | 1000000 MΩ |
| Contact Limiting Making Current | 3 A |
| Coil Resistance | 320 Ω |
| Contact Limiting Continuous Current | 3 A |
| Coil Type | Monostable |
| Contact Limiting Breaking Current | 3 A |
| Contact Switching Load (Min) | 10mA @ .02V |
| Contact Voltage Rating | 120 VDC |



| | |
|--|----------------|
| Signal Relay Coil Power Rating (DC) | 203 mW |
| Signal Relay Coil Voltage Rating | 12 VDC |
| Signal Relay Contact Switching Voltage (Max) | 120 VDC |
| Signal Relay Coil Magnetic System | Monostable, DC |

Body Features

| | |
|--------|---------------|
| Weight | 4 g [.141 oz] |
|--------|---------------|

Contact Features

| | |
|-------------------------------------|---------------|
| Contact Plating Material | AgNi Alloy |
| Contact Current Class | 2 – 5 A |
| Signal Relay Terminal Type | PCB-THT |
| Signal Relay Contact Current Rating | 1.25 A |
| Signal Relay Contact Arrangement | 1 Form C (CO) |
| Contact Material | AgNi |
| Contact Number of Poles | 1 |

Termination Features

| | |
|------------------|--------------|
| Termination Type | Through Hole |
|------------------|--------------|

Mechanical Attachment

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

Dimensions

| | |
|---------------------------|-------------------|
| Width Class (Mechanical) | 10 – 12 mm |
| Width | 10.4 mm [.409 in] |
| Height | 11.5 mm [.453 in] |
| Length Class (Mechanical) | 14 – 16 mm |
| Length | 15.4 mm [.606 in] |
| Height Class (Mechanical) | 11 – 12 mm |

Usage Conditions

| | |
|---|---------------|
| Environmental Ambient Temperature (Max) | 85 °C [85 °F] |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Operating Temperature Range | -40 – 85 °C |

Operation/Application

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

Packaging Features



| | |
|------------------|------------------|
| Packaging Method | Box & Tube, Tube |
|------------------|------------------|

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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) 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 |

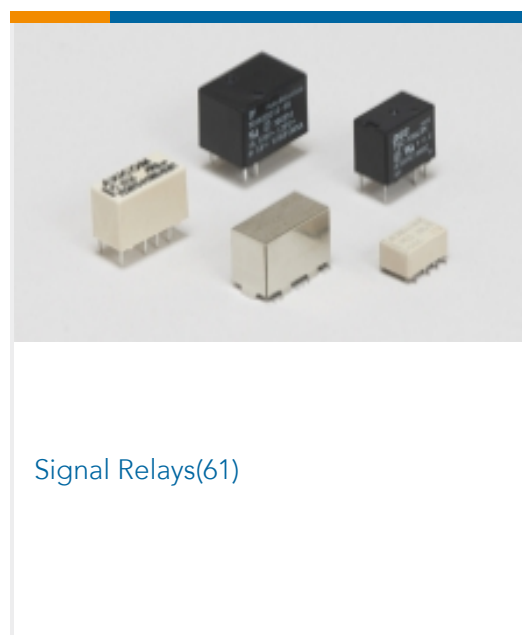
Product Compliance Disclaimer

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



Also in the Series | [Axicom W11 Relay V23101](#)



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1422037-2_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1422037-2_B1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1422037-2_B1.2d_dxf.zip](#)

English

3D PDF

3D

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 Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English