

# W31-X2M1G-40 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield W23-31

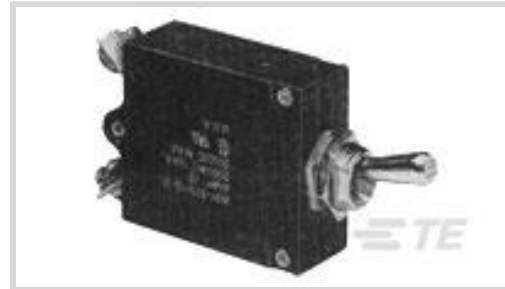
TE Internal #: 4-1393247-1

Thermal Circuit Breaker, Series Trip, Silver Actuator, 240 VAC, 50 VDC, 40 A, 1 Pole, 6 – 22 seconds Trip Time at 200%, Potter & Brumfield W23-31

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Relays & Contactors > Circuit Breakers



Circuit Breaker Type: **Thermal**

Circuit Function: **Series Trip**

Illuminated: **Without**

Actuator Color: **Silver**

Operating Voltage: **240 VAC**

## Features

### Product Type Features

|                       |                   |
|-----------------------|-------------------|
| Circuit Breaker Style | Toggle            |
| Illumination Type     | No Light          |
| Actuator Type         | Push-Pull, Toggle |
| Circuit Breaker Type  | Thermal           |
| Illuminated           | Without           |

### Configuration Features

|                  |                   |
|------------------|-------------------|
|                  | .47 (Diameter) in |
| Circuit Function | Series Trip       |
| Number of Poles  | 1                 |

### Electrical Characteristics

|                    |                         |
|--------------------|-------------------------|
| Operating Voltage  | 50 VDC                  |
| Current Rating     | 40 A                    |
| Interrupt Capacity | 1000A @ 50VDC or 240VAC |

### Body Features

|                |        |
|----------------|--------|
| Actuator Color | Silver |
|----------------|--------|

### Contact Features

|                   |                |
|-------------------|----------------|
| Trip Time at 200% | 6 – 22 seconds |
|-------------------|----------------|

### Termination Features



|                        |                               |
|------------------------|-------------------------------|
| Terminal Configuration | 8-32 Screws 90° to Each Other |
|------------------------|-------------------------------|

**Mechanical Attachment**

|                             |   |
|-----------------------------|---|
| Mounting Options            | Two Hex Nuts/Lockwasher   |
| Mounting Hardware Packaging | Assembled to Bushing  |
| Mounting Bushing            | 15/32-32 Threaded Bushing .32" Long<br>Double "D", Silver Color |

**Identification Marking**

|                      |                  |
|----------------------|------------------|
| Stamped Marking Type | Amp Rate Marking |
|----------------------|------------------|

**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                   | Not 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: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Cd (7.5% in Component Part)<br>Cadmium oxide (10% in 17874790769)<br>Pb (3.7% in 74019790)<br><b>Article Safe Usage Statements:</b><br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. 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                     | Not applicable for solder process capability  |

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 # 4-1393247-3  
W31-X2M1G-50=W23/W31



TE Part # 3-1393247-9  
W31-X2M1G-35=W23/W31



TE Part # 2-320568-2  
TERM, RT, PIDG IR, 12, #8



TE Part # 35152  
TERMINAL,PIDG SPD 12-10 8

## Also in the Series | Potter & Brumfield W23-31



Circuit Breakers(29)

## Customers Also Bought



TE Part #CAT-P592-R472A  
PIDG Ring Tongue Terminals



TE Part #3-1393247-2  
W31-X2M1G-10=W23/W31



TE Part #3-1393247-3  
W31-X2M1G-15=W23/W31



TE Part #3-1393247-4  
W31-X2M1G-2=W23/W31



TE Part #3-1393247-7  
W31-X2M1G-3=W23/W31



TE Part #3-1393247-9  
W31-X2M1G-35=W23/W31



TE Part #4-1393247-2  
W31-X2M1G-5=W23/W31



TE Part #4-1393247-3  
W31-X2M1G-50=W23/W31



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_4-1393247-1\\_C\\_c-4-1393247-1-c.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_4-1393247-1\\_C\\_c-4-1393247-1-c.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_4-1393247-1\\_C\\_c-4-1393247-1-c.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### W23/31 Toggle or Push/Pull Actuator Thermal Circuit Breaker

English

#### W23/W31 Series Datasheet

English

### Agency Approvals

#### UL

English

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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[TE Connectivity Information](#)

### Optimize Your Supply Chain with WIN SOURCE Solutions

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management