# 1-2486200-2 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield W52

TE Internal #: 1-2486200-2

Thermal Circuit Breaker, Trip-Free - Switchable, Black Actuator, 125 VAC, 50 VDC, 20 A, 1 Pole, Potter & Brumfield W52

View on TE.com >

Relays & Contactors > Circuit Breakers







Circuit Breaker Type: **Thermal**

Circuit Function: **Trip-Free - Switchable**

Illuminated: **Without**

Actuator Color: **Black**

Operating Voltage: **125 VAC**

## Features

### Product Type Features

| | |
|---|---|
| Circuit Breaker Style | Angular Button |
| Illumination Type | No Light |
| Actuator Type | Rocker |
| Circuit Breaker Type | Thermal |
| Illuminated | Without |

### Configuration Features

| | |
|---|---|
| Panel Cutout Size | 28.5 x 13.5 mm[1.122 x .531 in] |
| Circuit Function | Trip-Free - Switchable |
| Number of Poles | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 VDC |
| Current Rating | 20 A |
| Interrupt Capacity | 1000A @ 250VAC/50VDC |

### Body Features

| | |
|---|---|
| Bezel Color | Black |
| Actuator Color | Black |

### Contact Features

| | |
|---|---|
| Trip Time at 200% | 4 – 40 seconds |

### Termination Features

| | |
|---|---|
| Terminal Configuration | 6.35 [.25] Straight Quick Connect Tab |

### Mechanical Attachment

| | |
|---|---|
| Mounting Options | Snaps Into 1.122 x .531 (28.5 x 13.5) Panel Cutout |

### Dimensions

| | |
|---|---|
| Panel Thickness (Recommended) | .75 – 3 mm[.03 – .118 in] |

### Identification Marking

| | |
|---|---|
| Stamped Marking Type | RESET/OFF Molded |

## 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 | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not reviewed 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 Regulations, TE's information on SVHC in

articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Part # 1-1423673-9
W51-A151A1-20=CKTBKR,THERM, ROC

## Also in the Series | Potter & Brumfield W52



Circuit Breakers(42)

## Documents

### CAD Files

Customer View Model

ENG_CVM_CVM_1-2486200-2_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2486200-2_A1.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2486200-2_A1.3d_stp.zip

English

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### Datasheets & Catalog Pages

w52-1124

English

## Agency Approvals

### VDE Certificate

English