

W51-A151A1-20

✓ ACTIVE

TE Internal #: 1-1423673-9

Thermal Circuit Breaker, Trip-Free - Switchable, Black Actuator, 125 VAC, 50 VDC, 20 A, 1 Pole, 4 – 40 seconds Trip Time at 200%

[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

Actuator Color	Black
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Contact Features

Trip Time at 200%	4 – 40 seconds
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Termination Features

Terminal Configuration	6.35 [.25] Straight Quick Connect Tab
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Mechanical Attachment

Mounting Options	Snap Into 1.122 x .531 (28.5 x 13.5) Panel Cutout
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Dimensions

Panel Thickness (Recommended)	.75 – 3 mm[.03 – .118 in]
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Identification Marking

Stamped Marking Type	RESET/OFF Printed
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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	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cd (1.55% in Component Part) Article Safe Usage Statements: Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1-2486200-2
W52-A151A1-20=CTBKTR,THERM, ROC

TE Part # 175022-1
250 PL EX REC. 18-14AWG PTBR

TE Part # 4-1423673-2
W51-A152A1-20=CTBKTR,THERM, ROC

Customers Also Bought

TE Part #T41525B9L25-005
RPC-M12L-5MS-5.0-5FS-PUR 14AWG GY

TE Part #CON SMA007-R58
SMA Plug 50 Ohm Cable Crimp

TE Part #102308-000
2020D0309-0

TE Part #T4171120008-001
M12,REAR MOUNT,FEMALE,A,8P,0.2 M WIRE

TE Part #3-520339-2
ULTRA-FAST 187 ASY REC 16-14 AWG TPBR

TE Part #2-520401-2
ULTRA-FAST 187 ASY REC 22-18 TPBR

TE Part #6-1393250-0
W28-XTBB-15=W28

TE Part #1-1423673-5
W51-A151A1-5=CTBKTR,THERM, ROCK

TE Part #4-1423673-0
W51-A152A1-10=CTBKTR,THERM, ROC

TE Part #1630019-5
HSC200 12R 10%

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1423673-9_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1423673-9_E.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_1-1423673-9_E.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[W51 Rocker-Actuated Thermal Circuit Breaker/Power Switch With Optional Indicator Lamp](#)

English

Agency Approvals

[CCC Certificate](#)

English