

WMZ Circuit Breakers



Optimum and Efficient Protection for Every Application

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WMZ Circuit Breaker

Product Overview

Optimum product quality, tested reliability and safety stand for best protection of personnel, installations and plant. Eaton's WMZ DIN rail mountable circuit breaker is designed for use in branch service applications.

Application Description

Feeder and branch circuit protection for:

- Convenience receptacle circuits (internal/external)
- Motor control circuits
- Load circuits leaving the equipment (external)
- HACR internal/external equipment (heating, air conditioning, refrigeration)
- PLC I/O points
- Computers
- Power supplies
- Control instrumentation
- Relays
- UPS
- Power conditioners

Features

- Complete range of UL 489 listed DIN rail mounted miniature circuit breakers up to 40A current rating
- Standard ratings of 10 kAIC at 277/480 Vac
- Select amperages available at 14 kAIC at 277/480 Vac and 10 kAIC at 125 Vdc
- Current limiting design provides fast short-circuit interruption that reduces the let-through energy, which can damage the circuit
- Suitable for branch circuit device protection
- Thermal-magnetic overcurrent protection
 - Two levels of short-circuit protection, categorized by C and D curves
- Trip-free design—breaker can not be defeated by holding the handle in the ON position
- Captive screws cannot be lost
- SWD (switching duty)—suitable for switching fluorescent lighting loads ($I_n \leq 20A$)
- For use in applications for which UL 1077 or CSA C22.2 No.235 are also allowed
- Field-installable shunt trip and auxiliary switch subsequent mounting
- Separate version for ring-tongue connection (Type WMZT....T), terminal screws can be removed (on both sides)
- Module width of only 17.7 mm (per pole)
- Contact Position Indicator (red/green)
- Easy installation on DIN rail
- Possibility for sealing the toggle in ON or OFF position

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Miniature Circuit Breakers and Supplementary Protectors

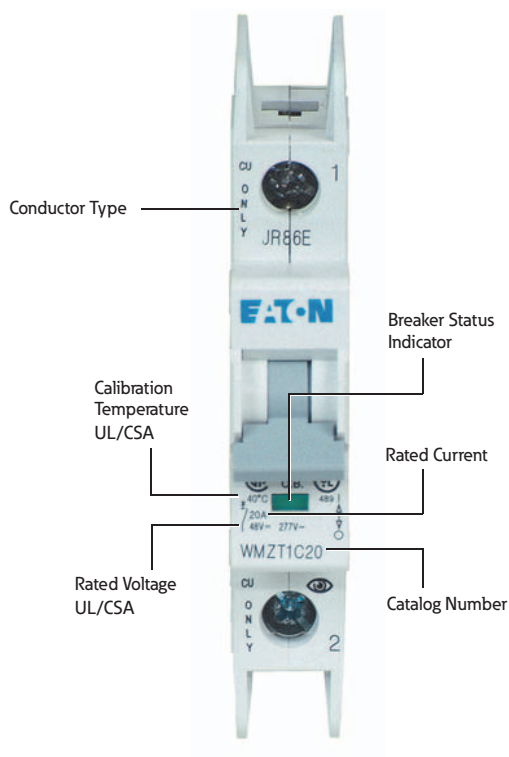
UL 489 DIN Rail Miniature Circuit Breakers

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Device Printing on Front and Side Installation options

These branch circuit breakers are available in two terminal configurations: standard box terminals that accept multiple conductors and ring-tongue terminals, ideally suited to demanding requirements of the semi-conductor industry.

All breakers mount on standard 35 mm DIN rail. Bus connectors and feeder terminal facilitate mounting and wiring of multiple miniature circuit breaker arrays in control panel assemblies. These circuit breakers can also be reverse feed.



Standards and Certifications

UL 489

- Standard for molded case circuit breakers (MCCB) for feeder and branch circuit protection
- Products meet the requirements of the National Electrical Code® (NEC)

Powerful Offering for Machine and System Builders

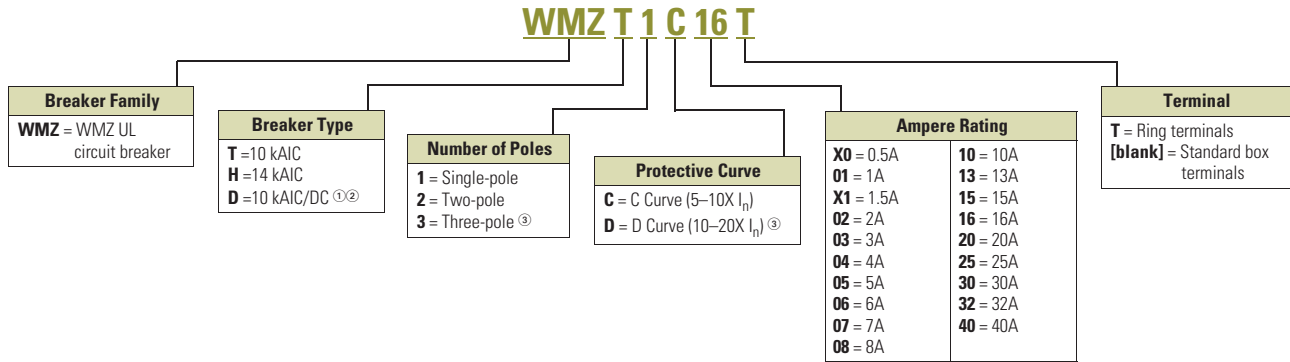
The WMZ is available with C and D characteristics in accordance with UL 489, CSA C22.2 No.5; UL 1077, CSA C22.2 No.235 and IEC 60947-2.

CSA C22.2 No.5

- Standard for molded case circuit breakers for feeder and branch circuit protection (corresponds closely to UL 489 Standard)
- Products meet the requirements of the Canadian Electrical Code (CEC)
- These devices are RoHS compliant



Catalog Number Selection



Notes

- ① Limited curve and ampere offerings.
- ② 125 Vdc for single-pole, 250 Vdc for two-pole in series.
- ③ Not offered for Type WMZD.

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Miniature Circuit Breakers and Supplementary Protectors

UL 489 DIN Rail Miniature Circuit Breakers

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Product Selection

WMZT

Single-Pole



Two-Pole



Three-Pole



WMZT UL 489 Circuit Breakers— 10 kAIC

| Amperes | Single-Pole Catalog Number | Two-Pole Catalog Number | Three-Pole Catalog Number |
|--|----------------------------|-------------------------|---------------------------|
| C Curve (5–10X I_n Current Rating) | | | |
| 0.5 | WMZT1CX0 | WMZT2CX0 | WMZT3CX0 |
| 1 | WMZT1C01 | WMZT2C01 | WMZT3C01 |
| 1.5 | WMZT1CX1 | WMZT2CX1 | WMZT3CX1 |
| 2 | WMZT1C02 | WMZT2C02 | WMZT3C02 |
| 3 | WMZT1C03 | WMZT2C03 | WMZT3C03 |
| 4 | WMZT1C04 | WMZT2C00 | WMZT3C04 |
| 5 | WMZT1C05 | WMZT2C05 | WMZT3C05 |
| 6 | WMZT1C06 | WMZT2C06 | WMZT3C06 |
| 7 | WMZT1C07 | WMZT2C07 | WMZT3C07 |
| 8 | WMZT1C08 | WMZT2C08 | WMZT3C08 |
| 10 | WMZT1C10 | WMZT2C10 | WMZT3C10 |
| 13 | WMZT1C13 | WMZT2C13 | WMZT3C13 |
| 15 | WMZT1C15 | WMZT2C15 | WMZT3C15 |
| 16 | WMZT1C16 | WMZT2C16 | WMZT3C16 |
| 20 | WMZT1C20 | WMZT2C20 | WMZT3C20 |
| 25 | WMZT1C25 | WMZT2C25 | WMZT3C25 |
| 30 | WMZT1C30 | WMZT2C30 | WMZT3C30 |
| 32 | WMZT1C32 | WMZT2C32 | WMZT3C32 |
| 40 | WMZT1C40 | WMZT2C40 | WMZT3C40 |
| D Curve (10–20X I_n Current Rating) | | | |
| 0.5 | WMZT1DX0 | WMZT2DX0 | WMZT3DX0 |
| 1 | WMZT1D01 | WMZT2D01 | WMZT3D01 |
| 1.5 | WMZT1DX1 | WMZT2DX1 | WMZT3DX1 |
| 2 | WMZT1D02 | WMZT2D02 | WMZT3D02 |
| 3 | WMZT1D03 | WMZT2D03 | WMZT3D03 |
| 4 | WMZT1D04 | WMZT2D04 | WMZT3D04 |
| 5 | WMZT1D05 | WMZT2D05 | WMZT3D05 |
| 6 | WMZT1D06 | WMZT2D06 | WMZT3D06 |
| 7 | WMZT1D07 | WMZT2D07 | WMZT3D07 |
| 8 | WMZT1D08 | WMZT2D08 | WMZT3D08 |
| 10 | WMZT1D10 | WMZT2D10 | WMZT3D10 |
| 13 | WMZT1D13 | WMZT2D13 | WMZT3D13 |
| 15 | WMZT1D15 | WMZT2D15 | WMZT3D15 |
| 16 | WMZT1D16 | WMZT2D16 | WMZT3D16 |
| 20 | WMZT1D20 | WMZT2D20 | WMZT3D20 |
| 25 | WMZT1D25 | WMZT2D25 | WMZT3D25 |
| 30 | WMZT1D30 | WMZT2D30 | WMZT3D30 |
| 32 | WMZT1D32 | WMZT2D32 | WMZT3D32 |
| 40 | WMZT1D40 | WMZT2D40 | WMZT3D40 |

Single-Pole



Two-Pole



Three-Pole



WMZT UL 489 Circuit Breakers with Ring-Tongue Terminals— 10 kAIC

| Amperes | Single-Pole Catalog Number | Two-Pole Catalog Number | Three-Pole Catalog Number |
|---|----------------------------|-------------------------|---------------------------|
| C Curve with Ring-Tongue Terminals (5–10X I_n Current Rating) | | | |
| 0.5 | WMZT1CX0T | WMZT2CX0T | WMZT3CX0T |
| 1 | WMZT1C01T | WMZT2C01T | WMZT3C01T |
| 1.5 | WMZT1CX1T | WMZT2CX1T | WMZT3CX1T |
| 2 | WMZT1C02T | WMZT2C02T | WMZT3C02T |
| 3 | WMZT1C03T | WMZT2C03T | WMZT3C03T |
| 4 | WMZT1C04T | WMZT2C04T | WMZT3C04T |
| 5 | WMZT1C05T | WMZT2C05T | WMZT3C05T |
| 6 | WMZT1C06T | WMZT2C06T | WMZT3C06T |
| 7 | WMZT1C07T | WMZT2C07T | WMZT3C07T |
| 8 | WMZT1C08T | WMZT2C08T | WMZT3C08T |
| 10 | WMZT1C10T | WMZT2C10T | WMZT3C10T |
| 13 | WMZT1C13T | WMZT2C13T | WMZT3C13T |
| 15 | WMZT1C15T | WMZT2C15T | WMZT3C15T |
| 16 | WMZT1C16T | WMZT2C16T | WMZT3C16T |
| 20 | WMZT1C20T | WMZT2C20T | WMZT3C20T |
| 25 | WMZT1C25T | WMZT2C25T | WMZT3C25T |
| 30 | WMZT1C30T | WMZT2C30T | WMZT3C30T |
| 32 | WMZT1C32T | WMZT2C32T | WMZT3C32T |
| 40 | WMZT1C40T | WMZT2C40T | WMZT3C40T |
| D Curve with Ring-Tongue Terminals (10–20X I_n Current Rating) | | | |
| 0.5 | WMZT1DX0T | WMZT2DX0T | WMZT3DX0T |
| 1 | WMZT1D01T | WMZT2D01T | WMZT3D01T |
| 1.5 | WMZT1DX1T | WMZT2DX1T | WMZT3DX1T |
| 2 | WMZT1D02T | WMZT2D02T | WMZT3D02T |
| 3 | WMZT1D03T | WMZT2D03T | WMZT3D03T |
| 4 | WMZT1D04T | WMZT2D04T | WMZT3D04T |
| 5 | WMZT1D05T | WMZT2D05T | WMZT3D05T |
| 6 | WMZT1D06T | WMZT2D06T | WMZT3D06T |
| 7 | WMZT1D07T | WMZT2D07T | WMZT3D07T |
| 8 | WMZT1D08T | WMZT2D08T | WMZT3D08T |
| 10 | WMZT1D10T | WMZT2D10T | WMZT3D10T |
| 13 | WMZT1D13T | WMZT2D13T | WMZT3D13T |
| 15 | WMZT1D15T | WMZT2D15T | WMZT3D15T |
| 16 | WMZT1D16T | WMZT2D16T | WMZT3D16T |
| 20 | WMZT1D20T | WMZT2D20T | WMZT3D20T |
| 25 | WMZT1D25T | WMZT2D25T | WMZT3D25T |
| 30 | WMZT1D30T | WMZT2D30T | WMZT3D30T |
| 32 | WMZT1D32T | WMZT2D32T | WMZT3D32T |
| 40 | WMZT1D40T | WMZT2D40T | WMZT3D40T |

Notes

Interrupting capacity: 10 kA UL/CSA; 15 kA IEC 60947.

Optional connections for ring-tongue terminals.