

WMZS Circuit Breakers



WMZS Circuit Breaker

Product Overview

Optimum product quality, tested reliability and safety stand for best protection of personnel, installations and plant. Eaton's WMZS DIN rail mountable circuit breaker is designed for use in control panel applications. The WMZS is available with B, C and D characteristics in accordance with UL 1077, CSA C22.2 No.235 and IEC 60947-2.

Application Description

Supplementary protection:

- Control circuits
- Lighting
- Business equipment
- Appliances

Features

- Complete range of UL 1077 Recognized DIN rail mounted miniature circuit breakers up to 63A current rating
- Standard ratings of 10 kAIC at 277/480 Vac
- Current limiting design provides fast short-circuit interruption that reduces the let-through energy, which can damage the circuit
- Offers supplementary protection
- Thermal-magnetic overcurrent protection
 - Three levels of short-circuit protection, categorized by B, 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
- Fulfill UL 1077, CSA C22.2 No.235 and also IEC 60947-2 Standard
- Field-installable shunt trip and auxiliary switch subsequent mounting
- Module width of only 0.69 inches (17.5 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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Description

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Advanced Features

Breakers install on standard DIN rail

Available in single-, two- and three-pole models

Color-coded indicator provides breaker status for easy troubleshooting



Captive posidrive terminal screws with finger and back-of-hand protection (IP20)

Trip-free design; breaker cannot be defeated by holding the handle in the ON position

Breaker information printed on the front of the device for quick identification

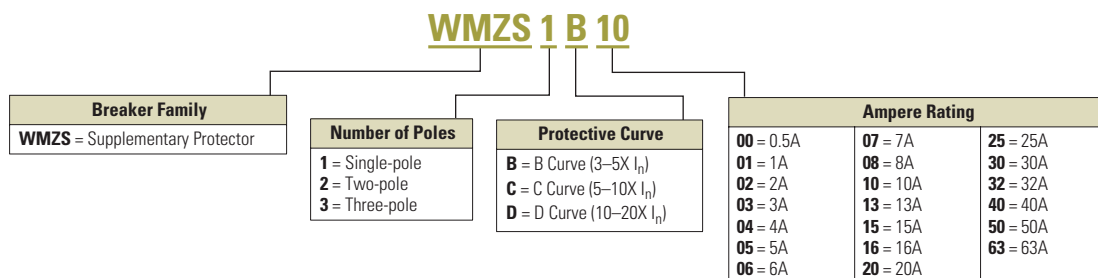
Standards and Certifications

Worldwide Acceptance

WMZS Supplementary Protectors are UL Recognized for use in the United States in accordance with NFPA® 70 (NEC). The devices comply with UL 1077 and CSA 22.2 No. 235, meeting the requirements for supplementary protectors. These devices are for international and domestic use, and also comply with IEC 60947-2 and are CE marked. These devices are RoHS compliant.



Catalog Number Selection



Product Selection

WMZS Product Selection—B Curve (3–5X I_n Current Rating)

Suitable for applications where protection against low level short circuit faults in control wiring is desired. Instantaneous trip is 3–5X continuous rating of device (I_n). Applications include PLC wiring, business equipment, lighting, appliances and some motors. Low magnetic trip point.

Single-Pole



Two-Pole



Three-Pole

**B Curve (3–5X I_n Current Rating)—
Designed for Resistive or Slightly
Inductive Loads ^{①②③}**

Amperes	Single-Pole Catalog Number	Two-Pole Catalog Number	Three-Pole Catalog Number
6	WMZS1B06	WMZS2B06	WMZS3B06
7	WMZS1B07	WMZS2B07	WMZS3B07
8	WMZS1B08	WMZS2B08	WMZS3B08
10	WMZS1B10	WMZS2B10	WMZS3B10
13	WMZS1B13	WMZS2B13	WMZS3B13
15	WMZS1B15	WMZS2B15	WMZS3B15
16	WMZS1B16	WMZS2B16	WMZS3B16
20	WMZS1B20	WMZS2B20	WMZS3B20
25	WMZS1B25	WMZS2B25	WMZS3B25
30	WMZS1B30	WMZS2B30	WMZS3B30
32	WMZS1B32	WMZS2B32	WMZS3B32
40	WMZS1B40	WMZS2B40	WMZS3B40
50	WMZS1B50	WMZS2B50	WMZS3B50
63	WMZS1B63	WMZS2B63	WMZS3B63

WMZS Product Selection—C Curve (5–10X I_n Current Rating)

Suitable for applications where medium levels of inrush current are expected. Instantaneous trip is 5–10X rating of device (I_n). Applications include small transformers, lighting, pilot devices, control circuits, and coils. Medium magnetic trip point.

Single-Pole



Two-Pole



Three-Pole

**C Curve (5–10X I_n Current Rating)—
Designed for Inductive Loads ^{①④⑤}**

Amperes	Single-Pole Catalog Number	Two-Pole Catalog Number	Three-Pole Catalog Number
0.5	WMZS1C00	WMZS2C00	WMZS3C00
1	WMZS1C01	WMZS2C01	WMZS3C01
2	WMZS1C02	WMZS2C02	WMZS3C02
3	WMZS1C03	WMZS2C03	WMZS3C03
4	WMZS1C04	WMZS2C04	WMZS3C04
5	WMZS1C05	WMZS2C05	WMZS3C05
6	WMZS1C06	WMZS2C06	WMZS3C06
7	WMZS1C07	WMZS2C07	WMZS3C07
8	WMZS1C08	WMZS2C08	WMZS3C08
10	WMZS1C10	WMZS2C10	WMZS3C10
13	WMZS1C13	WMZS2C13	WMZS3C13
15	WMZS1C15	WMZS2C15	WMZS3C15
16	WMZS1C16	WMZS2C16	WMZS3C16
20	WMZS1C20	WMZS2C20	WMZS3C20
25	WMZS1C25	WMZS2C25	WMZS3C25
30	WMZS1C30	WMZS2C30	WMZS3C30
32	WMZS1C32	WMZS2C32	WMZS3C32
40	WMZS1C40	WMZS2C40	WMZS3C40
50	WMZS1C50	WMZS2C50	WMZS3C50
63	WMZS1C63	WMZS2C63	WMZS3C63

Notes

- ① In North America, these switches are UL recognized and CSA certified as Supplementary Protection devices. Per the intent of NEC (National Electrical Code), Article 240, and CEC (Canadian Electrical Code), Part 1 C22.1, supplementary breakers cannot be used as a substitute for the branch circuit protective device. They can be used to provide overcurrent protection within an appliance or other electrical equipment where branch circuit overcurrent protection is already provided, or is not required.
- ② Designed for resistive or slightly inductive loads.
- ③ Response time of instantaneous trip: 3–5X I_n current rating.
- ④ Designed for inductive loads.
- ⑤ Response time of instantaneous trip: 5–10X I_n current rating.

WMZS Product Selection—D Curve (10 – 20X In Current Rating)

Suitable for applications where high levels of inrush current are expected. Instantaneous trip is 10–20X rating of device (I_n). The high magnetic trip point prevents nuisance tripping in high inductive applications such as motors, transformers and power supplies.

Single-Pole**Two-Pole****Three-Pole****D Curve (10–20X I_n Current Rating)—
Designed for Inductive Loads** ^{①②③}

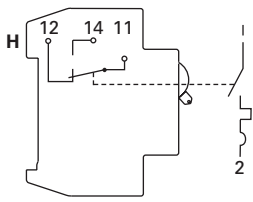
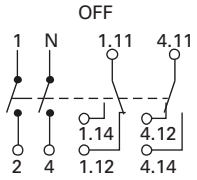
Amperes	Single-Pole Catalog Number	Two-Pole Catalog Number	Three-Pole Catalog Number
0.5	WMZS1D00	WMZS2D00	WMZS3D00
1	WMZS1D01	WMZS2D01	WMZS3D01
2	WMZS1D02	WMZS2D02	WMZS3D02
3	WMZS1D03	WMZS2D03	WMZS3D03
4	WMZS1D04	WMZS2D04	WMZS3D04
5	WMZS1D05	WMZS2D05	WMZS3D05
6	WMZS1D06	WMZS2D06	WMZS3D06
7	WMZS1D07	WMZS2D07	WMZS3D07
8	WMZS1D08	WMZS2D08	WMZS3D08
10	WMZS1D10	WMZS2D10	WMZS3D10
13	WMZS1D13	WMZS2D13	WMZS3D13
15	WMZS1D15	WMZS2D15	WMZS3D15
16	WMZS1D16	WMZS2D16	WMZS3D16
20	WMZS1D20	WMZS2D20	WMZS3D20
25	WMZS1D25	WMZS2D25	WMZS3D25
30	WMZS1D30	WMZS2D30	WMZS3D30
32	WMZS1D32	WMZS2D32	WMZS3D32
40	WMZS1D40	WMZS2D40	WMZS3D40

Notes

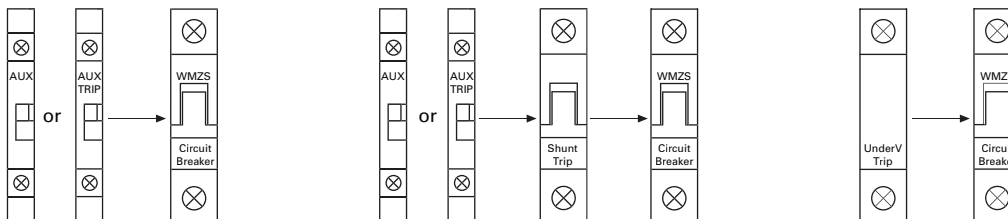
- ① In North America, these switches are UL recognized and CSA certified as Supplementary Protection devices. Per the intent of NEC (National Electrical Code), Article 240, and CEC (Canadian Electrical Code), Part 1 C22.1, supplementary breakers cannot be used as a substitute for the branch circuit protective device. They can be used to provide overcurrent protection within an appliance or other electrical equipment where branch circuit overcurrent protection is already provided, or is not required.
- ② Designed for highly inductive loads.
- ③ Response time of instantaneous trip: 10–20X I_n current rating.

Accessories

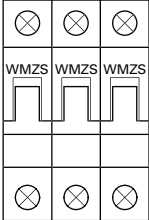
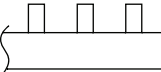
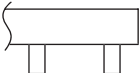
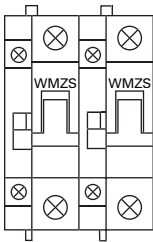
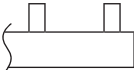
Auxiliary Contacts and Voltage Trips

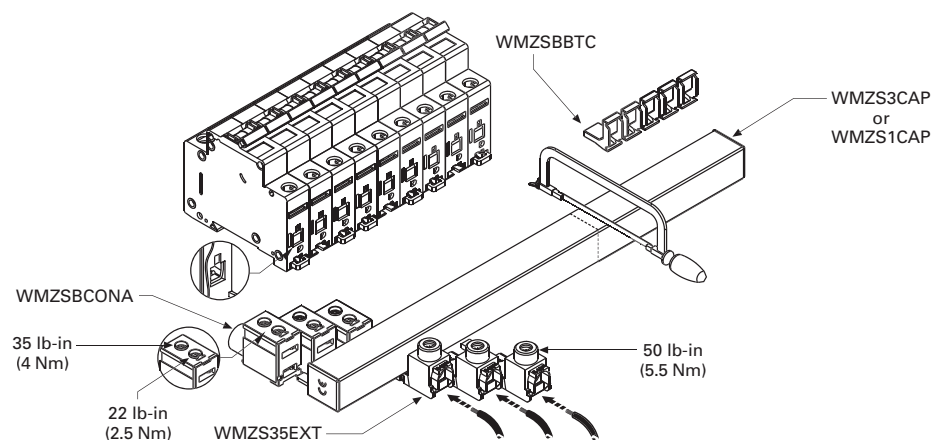
Module	Circuit Diagram	Description	Rated Operational Voltage	Catalog Number
Standard Auxiliary Contacts				
		1NO/1NC Installs on left side of WMZS or shunt trip Max. one per WMZS (1077) device Switches when WMZS is tripped electrically or manually	230 Vac	WMZSAUX
Auxiliary/Trip Indicating Contact				
		Small selector screw changes mode Two Form C (changeover) contacts Installs on left side of WMZS or shunt trip Auxiliary contacts switch when WMZS is tripped electrically or manually Trip indicating contact switches only when WMZS is tripped electrically	230 Vac	WMZSAUXTRIP
Undervoltage Trip				
		Prevents WMZS from operating unless voltage is present Installs on left side of WMZS Includes test button	115 Vac 230 Vac 400 Vac	WMZSUVR115 WMZSUVR230 WMZSUVR400
Shunt Trip				
		Allows remote trip of WMZS Installs on left side of WMZS	110–415 Vac 110–230 Vdc 12–110 Vac 12–60 Vdc	WMZSST415 WMZSST110

Allowable Combinations of Accessories

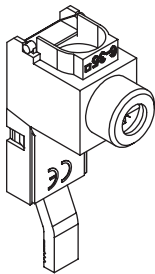


Bus Bar System

Description	Rated Operational Current (A)	Number of Poles per Device	Number of Terminals	Catalog Number
Without Auxiliary Contacts				
For connecting WMZS Supplementary Protectors without auxiliary contacts. May be fed from line or load side.   	80	1	57	WMZS1P57T
		2	56	WMZS2P56T
		3	57	WMZS3P57T
	100	1	57	WMZS1P57T25
		2	56	WMZS2P56T25
		3	57	WMZS3P57T25
Auxiliary/Trip Indicating Contact				
For connecting WMZS Supplementary Protectors with auxiliary contacts. May be fed from line or load side.   	80	1	37	WMZS1P37TAUX
		2	46	WMZS2P46TAUX
		3	48	WMZS3P48TAUX
	100	1	37	WMZS1P37T25AUX
		2	46	WMZS2P46T25AUX
		3	48	WMZS3P48T25AUX



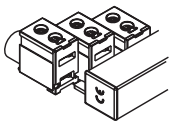
Incoming Terminal



Pin Type Incoming Supply Terminals

Description	Catalog Number
Accommodates conductors from 6–35 mm ² /#10–2 AWG	WMZS35EXT
4–5.5 Nm/35–50 16 lb-in	
Finger-safe connection	

Incoming Terminal

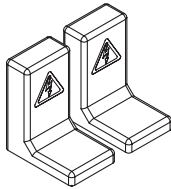


Bus Incoming Supply Terminals

Description	Catalog Number
50 mm ²	WMZSBCONA
#14–1 AWG	
75 Deg Wire	
115A/Y, 480V UL	
160A/Y 690V IEC	

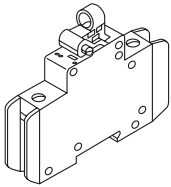
Protective Accessories

Bus Bar Terminal Cover



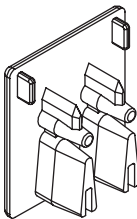
Description	Catalog Number
For covering unused terminals	WMZSBBTC

Padlock Hasp

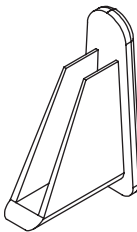


Prevents reactivation of the device during maintenance	WMZPLK
Holds one padlock	

Fork Connector Two- and Three-Pole



Fork Connector Two- and Three-Pole



Bus Bar End Cap

Description	Number of Poles	Catalog Number
Install after cutting bus bar	2 and 3	WMZS3CAP
Protects end of bus bar		
	1	WMZS1CAP

Technical Data and Specifications

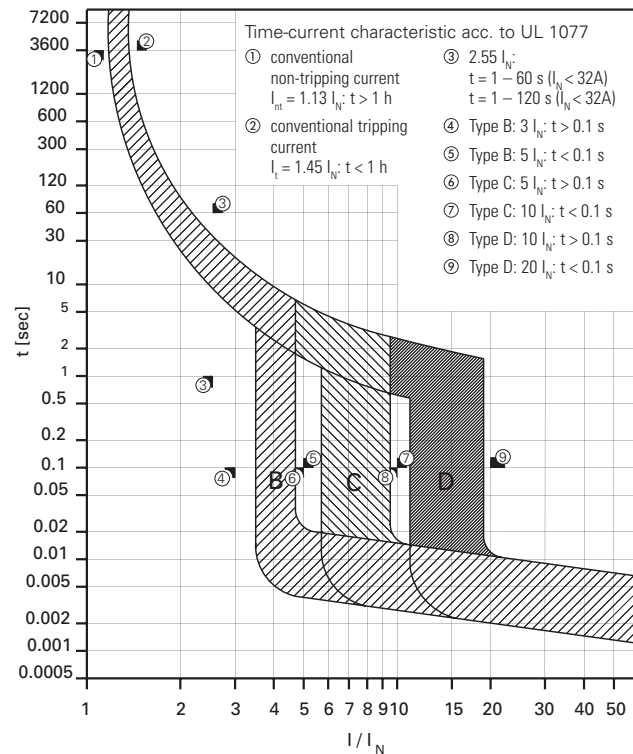
Trip Curve Charts

Three Tripping Curves to Choose

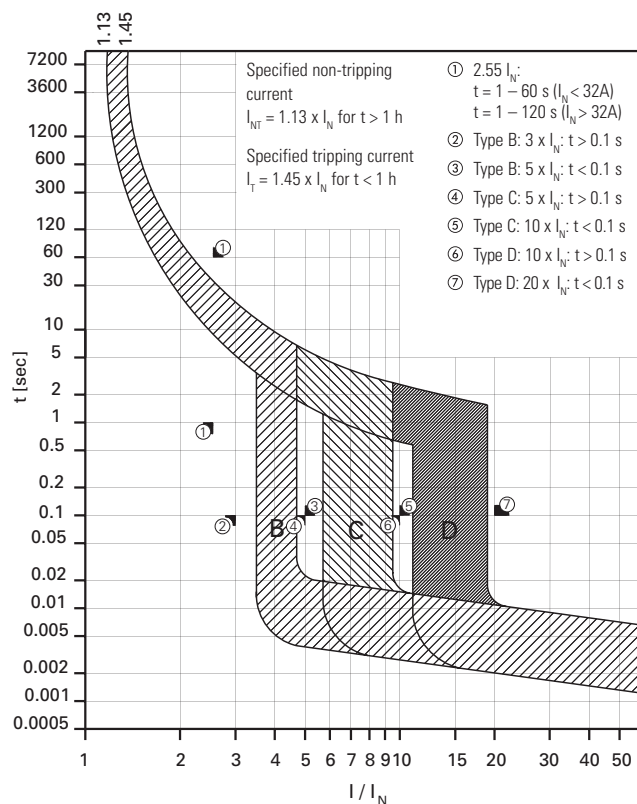
Eaton WMZS Supplementary Protectors are available with three different tripping characteristics, including Type B, C and D. Definitions for each trip curve are contained on the ordering pages and can be used to determine the optimal characteristic for your application. For example, low level short-circuit faults in control wiring, such as PLCs, are best protected by devices with Type B trip characteristics (3 to 5X continuous rating of the device (I_N)).

Even though not required by NEC or CEC for Supplementary Protectors, Eaton's WMZS devices are current limiting, which means they interrupt fault currents within one half cycle. Current limiting devices offer superior protection by reducing peak let-through current and energy.

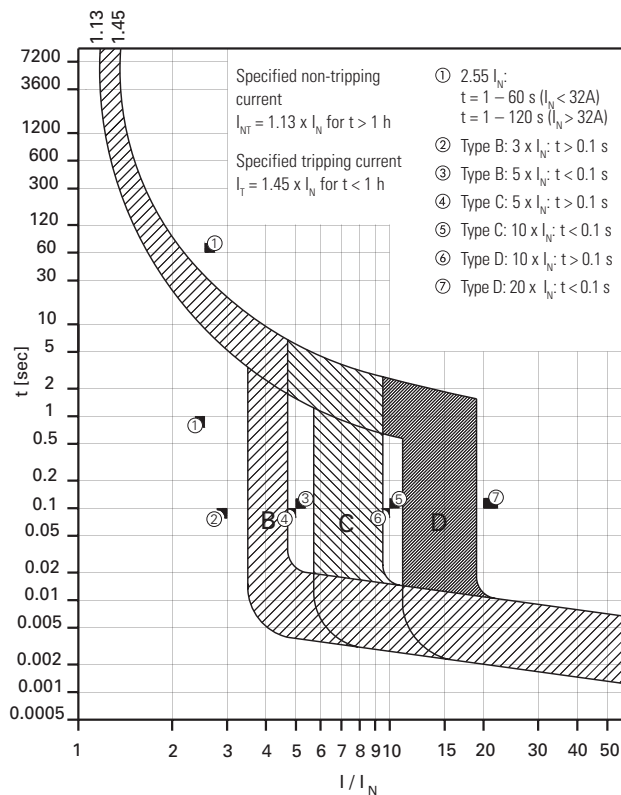
WMZS Tripping Curves



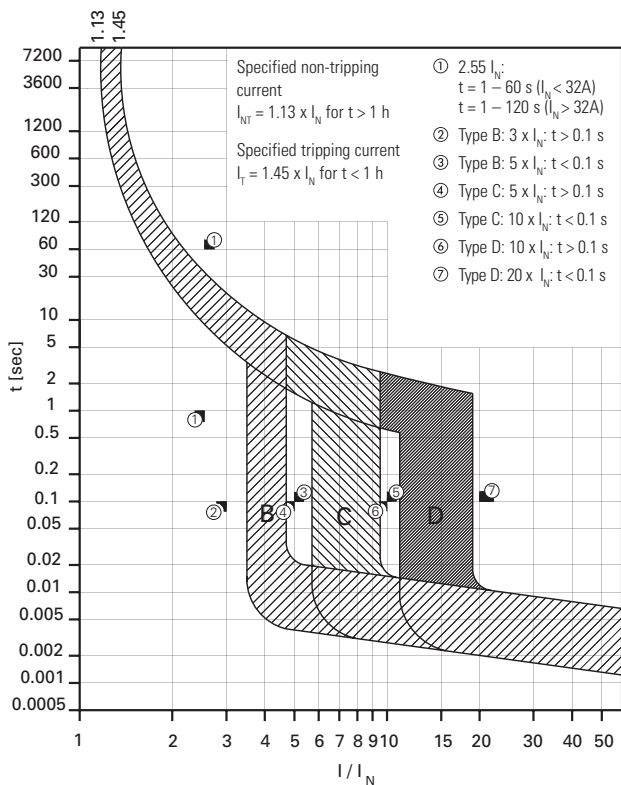
B Curve



D Curve



C Curve



Technical Data

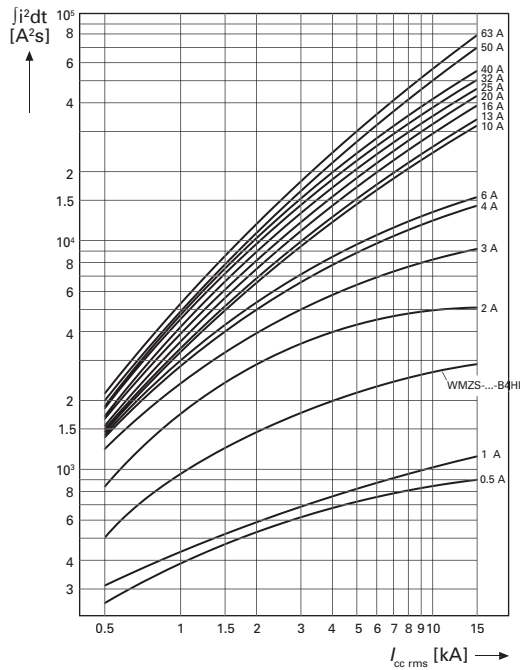
Description	B Curve	C Curve	D Curve
Electrical			
Approvals	UR (UL 1077), CSA (CSA 22.2 No. 235), CE		
Standards	IEC/EN 60947-2		
Short-circuit trip response	3–5 I_n	5–10 I_n	10–20 I_n
Supplementary Protectors—UL/CSA			
Current range	6–63A	0.5–63A	0.5–40A
Maximum voltage ratings—UL/CSA			
Single-pole	277 Vac	277 Vac	277 Vac
	48 Vdc	48 Vdc	48 Vdc
Two-, three-pole	480Y/277 Vac	480Y/277 Vac	480Y/277 Vac
Two poles in series	96 Vdc	96 Vdc	96 Vdc
Thermal tripping characteristics			
Single-pole	1.35 x I_n @ 40°C	1.35 x I_n @ 40°C	1.35 x I_n @ 40°C
Multi-pole	1.45 x I_n @ 40°C	1.45 x I_n @ 40°C	1.45 x I_n @ 40°C
Short-circuit ratings (at max. voltage)			
Single-pole	10 kA (5 kA for 40–63A device)	10 kA (5 kA for 40–63A device)	5 kA
Two-, three-pole	10 kA (5 kA for 40–63A device)	10 kA (5 kA for 40–63A device)	5 kA
Single-pole	10 kA @ 48 Vdc	10 kA @ 48 Vdc	10 kA @ 48 Vdc
Two poles in series	10 kA @ 96 Vdc	10 kA @ 96 Vdc	10 kA @ 96 Vdc
Miniature Circuit Breaker—IEC			
Current range	6–63A	0.5–63A	0.5–40A
Maximum voltage ratings—IEC 60947-2			
Single-pole	230 Vac	230 Vac	230 Vac
	48 Vdc	48 Vdc	48 Vdc
Two-, three-pole	230/400 Vac	230/400 Vac	230/400 Vac
Maximum voltage ratings—IEC 60898			
Single-pole	240 Vac	240 Vac	240 Vac
	48 Vdc	48 Vdc	48 Vdc
Two-, three-pole	240/415 Vac	240/415 Vac	240/415 Vac
Thermal tripping characteristics			
Single-pole	> 1 hour @ 1.05 x I_n	> 1 hour @ 1.05 x I_n	> 1 hour @ 1.05 x I_n
Multi-pole	< 1 hour @ 1.3 x I_n	< 1 hour @ 1.3 x I_n	< 1 hour @ 1.3 x I_n
Interrupting ratings (at max. voltage)			
IEC 60947-2	15 kA	15 kA	15 kA
IEC 60898	10 kA	10 kA	10 kA
Operational switching capacity	7.5 kA	7.5 kA	7.5 kA
Max. back-up fuse [gL/gG]	125A	125A	125A
Rated impulse withstand— U_{imp}	4000 Vac	4000 Vac	4000 Vac
Rated insulation voltage— U_i	440 Vac	440 Vac	440 Vac

Technical Data, continued

Description	B Curve	C Curve	D Curve
Environmental/General			
Selectivity class	3	3	3
Lifespan (operations)	> 10,000 (1 operation = ON/OFF)	> 10000 (1 operation = ON/OFF)	> 10000 (1 operation = ON/OFF)
Shock (IEC 68-2-22)	10g–120 ms	10g–120 ms	10g–120 ms
Operating temperature range	+23 to +104°F (–5 to +40°C)	+23 to +104°F (–5 to +40°C)	+23 to +104°F (–5 to +40°C)
Shipment and short-term storage	–40 to +185°F (–40 to +85°C)	–40 to +185°F (–40 to +85°C)	–40 to +185°F (–40 to +85°C)
Housing material	Nylon	Nylon	Nylon
Mechanical			
Standard Front Dimension			
Device height	80 mm	80 mm	80 mm
Terminal protection	Finger and back-of-hand proof to IEC 536	Finger and back-of-hand proof to IEC 536	Finger and back-of-hand proof to IEC 536
Mounting width per pole	17.5 mm	17.5 mm	17.5 mm
Mounting	IEC/EN 60715 top-hat rail	IEC/EN 60715 top-hat rail	IEC/EN 60715 top-hat rail
Degree of protection	IP20	IP20	IP20
Terminals top and bottom	Twin-purpose terminals	Twin-purpose terminals	Twin-purpose terminals
Supply connection	Line or load side	Line or load side	Line or load side
Terminal capacity [mm ²]	1 x 25 (AWG 4–18) / 2 x 10 (AWG 8–18)	1 x 25 (AWG 4–18) / 2 x 10 (AWG 8–18)	1 x 25 (AWG 4–18) / 2 x 10 (AWG 8–18)
Torque	2.4 Nm	2.4 Nm	2.4 Nm
Imperial torque	21 lb-in (AWG 18–12), 25 lb-in (AWG 10–8), 36 lb-in (AWG 6–4)	21 lb-in (AWG 18–12), 25 lb-in (AWG 10–8), 36 lb-in (AWG 6–4)	21 lb-in (AWG 18–12), 25 lb-in (AWG 10–8), 36 lb-in (AWG 6–4)
Thickness of bus bar material	0.8–2 mm	0.8–2 mm	0.8–2 mm
Mounting position	As required	As required	As required

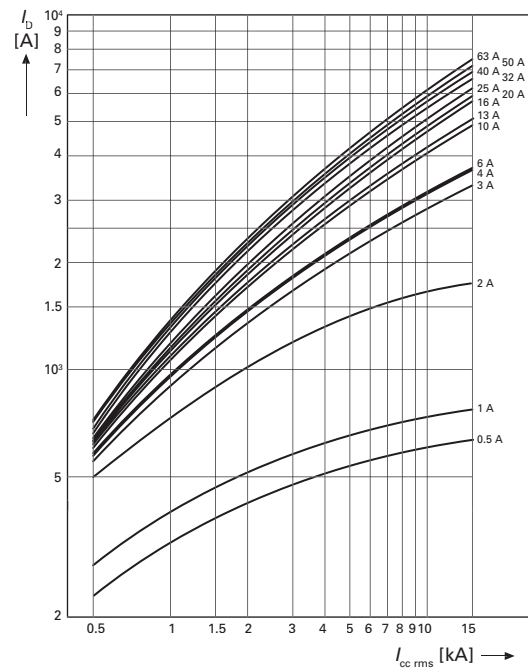
Let-Through Energy I^2t

Characteristic B and C

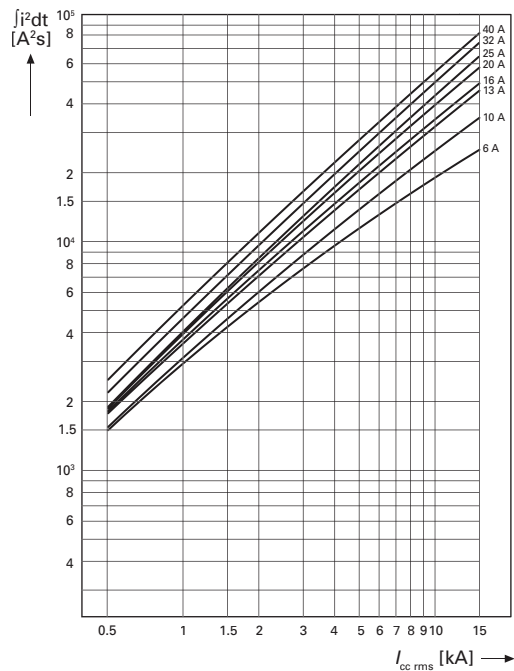


Let-Through Current I_D

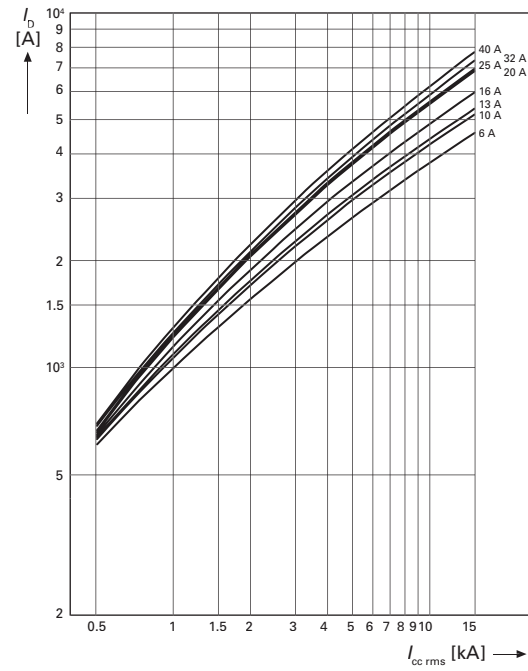
Characteristic B and C



Characteristic D



Characteristic D



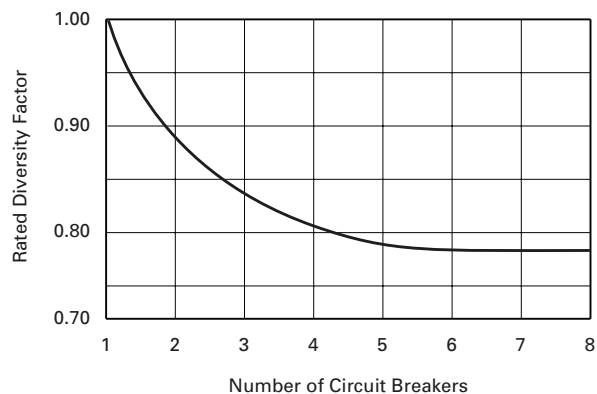
Influence of the Ambient Temperature on the Thermal Tripping Behavior

Corrected values of the rated current dependent on the ambient temperature

I_n (A)	Ambient Temperature T												
	-25°C	-20°C	-10°C	0°C	10°C	20°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
0.16	0.2	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14
0.25	0.31	0.3	0.29	0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22
0.5	0.61	0.6	0.58	0.56	0.54	0.52	0.5	0.49	0.48	0.47	0.46	0.45	0.44
0.75	0.92	0.9	0.87	0.84	0.81	0.78	0.75	0.74	0.73	0.71	0.69	0.68	0.66
1	1.2	1.2	1.2	1.1	1.1	1	1	0.99	0.97	0.95	0.93	0.9	0.89
1.5	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.3
1.6	2	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4
2	2.4	2.4	2.3	2.2	2.2	2.1	2	2	1.9	1.9	1.9	1.8	1.8
2.5	3.1	3	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
3	3.7	3.6	3.5	3.4	3.3	3.1	3	3	2.9	2.8	2.8	2.7	2.7
3.5	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.4	3.3	3.2	3.2	3.1
4	4.9	4.8	4.7	4.5	4.3	4.2	4	3.9	3.9	3.8	3.7	3.6	3.5
5	6.1	6	5.8	5.6	5.4	5.2	5	4.9	4.8	4.7	4.6	4.5	4.4
6	7.3	7.2	7	6.7	6.5	6.3	6	5.9	5.8	5.7	5.6	5.4	5.3
7	8.6	8.4	8.1	7.9	7.6	7.4	7	6.9	6.8	6.7	6.6	6.4	6.3
8	9.8	9.6	9.3	9	8.7	8.4	8	7.9	7.7	7.6	7.4	7.2	7.1
10	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9	8.9
12	15	14	14	13	13	13	12	12	12	11	11	11	11
13	16	16	15	15	14	14	13	13	13	12	12	12	12
15	18	18	17	17	16	16	15	15	15	14	14	14	13
16	20	19	19	18	17	17	16	16	15	15	15	14	14
20	24	24	23	22	22	21	20	20	19	19	19	18	18
25	31	30	29	28	27	26	25	25	24	24	23	23	22
32	39	38	37	36	35	33	32	32	31	30	30	29	28
40	49	48	47	45	43	42	40	39	39	38	37	36	35
50	61	60	58	56	54	52	50	49	48	47	46	45	44
63	77	76	73	71	68	66	63	62	61	60	58	57	56

Influence of the Mains FrequencyInfluence of the mains frequency on the tripping behavior I_{MA} of the instantaneous release

Description	Mains Frequency f [Hz]						
	16 2/3	50	60	100	200	300	400
$I_{MA}(f)/I_{MA}(50 \text{ Hz})$ [%]	91	100	101	106	115	134	141

Load Carrying Capacity of Adjoining Miniature Circuit Breakers

Technical Data

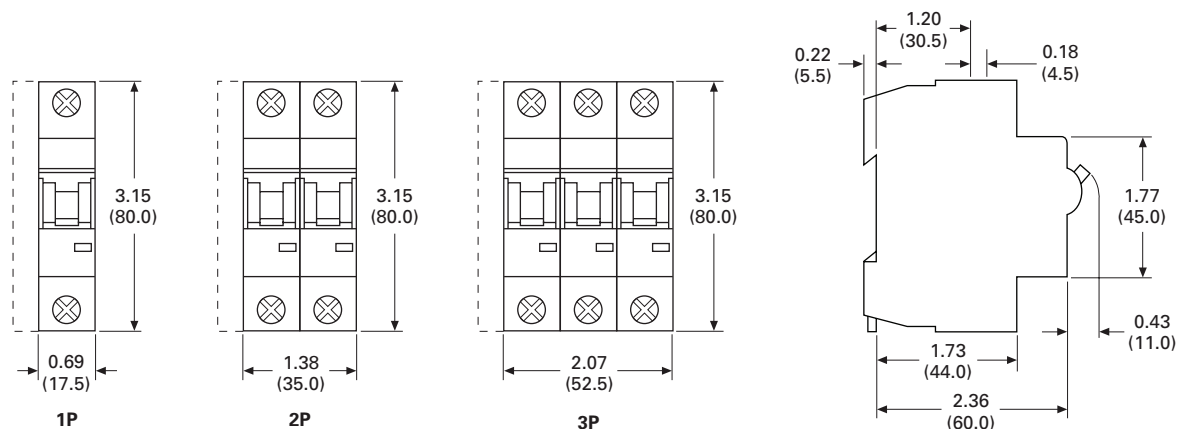
Description	WMZSAUX WMZSAUXTRIP	WMZSST	WMZSUVR
Electrical			
Contact function	1A + 1B 2 C/O	—	—
Rated operational voltage U_n	250 Vac	—	115 Vac—WMZSUVR115 230 Vac—WMZSUVR230 400 Vac—WMZSUVR400
Voltage range WMZSST110	—	12–110 Vac — 12–60 Vdc	—
Voltage range WMZSST415	—	110–415 Vac — 110–230 Vdc	—
Closing threshold [$\times U_n$]	—	—	0.8
Tripping threshold [$\times U_n$]	—	—	0.5
Rated frequency f	50/60 Hz	50/60 Hz	50/60 Hz
General use (UL/CSA)			
AC—230/240 Vac	2/2A	—	—
DC—110/120 Vdc	0.5/0.5A	—	—
Pilot duty	A600/Q600	—	—
Conventional free air thermal current I_{th}	4A	—	—
Rated operational current			
AC-13 I_b	3A (250 Vac)	—	—
AC-15 I_b	2A (250 Vac)	—	—
DC-13 I_b	0.5A (110 Vdc)	—	—
Rated insulation voltage U_i	250 Vac	—	—
Minimum operating voltage per contract U_{min}	5 Vdc	—	—
Rated impulse withstand voltage (1.2/50 μ) U_{imp}	2.5 kV	—	—
Rated conditional short-circuit current with 6A back-up fuse I_{sc}	1 kA	—	—
Max. admissible back-up fuse	4A gL	—	—
Mechanical			
Standard front dimension	45 mm	45 mm	45 mm
Device height	80 mm	80 mm	80 mm
Mounting width	8.8 mm	17.6 mm	17.8 mm
Mounting	On MCB	IEC/EN 60715 top-hat rail	IEC/EN 60715 top-hat rail
Degree of protection enclosed	IP40	IP40	IP40
Terminal protection	Protection against electric shock to IEC 536	Protection against electric shock to IEC 536	Protection against electric shock to IEC 536
Terminals	Lift terminals	Twin-purpose terminals	Twin-purpose terminals
Terminal capacity			
Solid	0.5 – 2.5 mm ²	1–2.5 mm ²	2 x (1–2.5) mm ²
Flexible	0.5 – 2.5 mm ²	1–2.5 mm ²	2 x (1–2.5) mm ²
Tightening torque of terminal screws	0.8 – 1.0 Nm (7–9 lb-in)	2.4 Nm (21 lb-in)	0.8 Nm (7 lb-in)

Dimensions

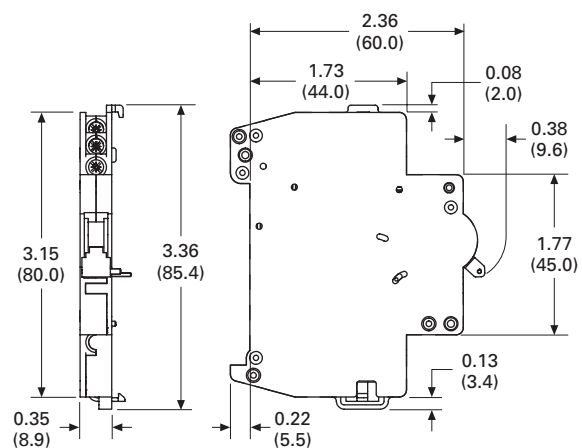
Approximate Dimensions in Inches (mm)

Miniature Circuit Breakers

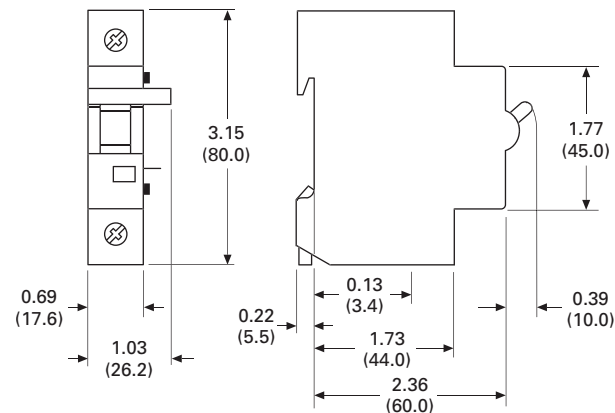
WMZS

**Auxiliary Contacts**

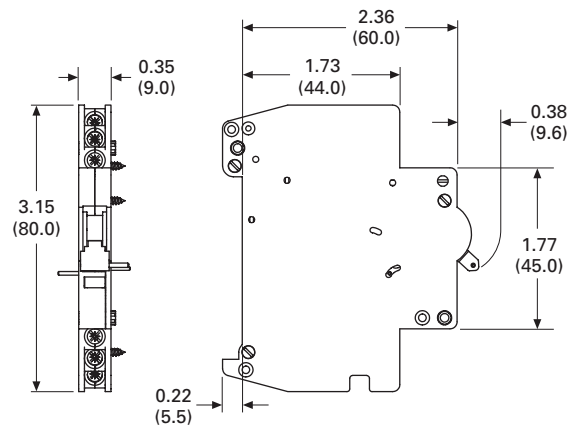
WMZSAUX

**Shunt Releases**

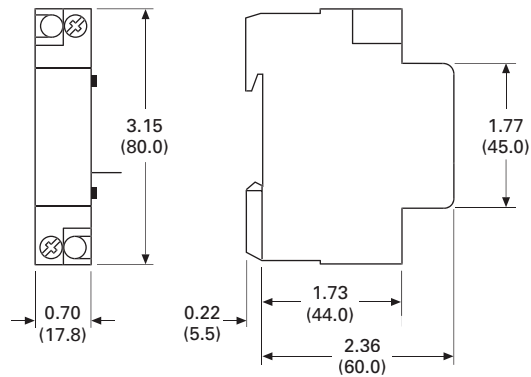
WMZSST



WMZSAUXTRIP

**Undervoltage Releases**

WMZSUVR



Approximate Dimensions in Inches (mm)

Bus Bar and Accessory Weights and Dimensions

Catalog Number	Unit Weight Lbs (kg)	Length	Width	Height
WMZS1P57T	0.64 (0.29)	39.72 (1009.0)	0.59 (15.0)	0.59 (15.0)
WMZS2P56T	1.41 (0.64)	39.02 (991.0)	0.87 (22.0)	1.46 (37.0)
WMZS3P57T	1.83 (0.83)	39.72 (1009.0)	0.87 (22.0)	1.46 (37.0)
WMZS1P37TAUX	0.57 (0.26)	38.78 (985.0)	0.59 (15.0)	0.59 (15.0)
WMZS2P46TAUX	1.39 (0.63)	39.72 (1009.0)	0.87 (22.0)	1.46 (37.0)
WMZS3P48TAUX	1.74 (0.79)	38.66 (982.0)	0.87 (22.0)	1.46 (37.0)
WMZS1P57T25	0.79 (0.36)	39.72 (1009.0)	0.59 (15.0)	0.59 (15.0)
WMZS2P56T25	1.74 (0.79)	39.02 (991.0)	0.87 (22.0)	1.46 (37.0)
WMZS3P57T25	2.29 (1.04)	39.72 (1009.0)	0.87 (22.0)	1.46 (37.0)
WMZS1P37T25AUX	0.68 (0.31)	38.78 (985.0)	0.59 (15.0)	0.59 (15.0)
WMZS2P46T25AUX	1.61 (0.73)	39.72 (1009.0)	0.87 (22.0)	1.46 (37.0)
WMZS3P48T25AUX	2.14 (0.97)	38.66 (982.0)	0.87 (22.0)	1.46 (37.0)
WMZS35EXT	0.07 (0.03)	2.36 (60.0)	0.67 (17.0)	1.14 (29.0)
WMZSBCONA	0.07 (0.03)	1.57 (40.0)	0.71 (18.0)	1.18 (30.0)
WMZSBBTC	0.007 (0.003)	3.35 (85.0)	0.47 (12.0)	0.94 (24.0)
WMZS1CAP	0.002 (0.001)	0.55 (14.0)	0.20 (5.0)	0.39 (10.0)
WMZS3CAP	0.002 (0.001)	0.94 (24.0)	0.87 (22.0)	0.39 (10.0)

