



Product Overview	2
Product Selection	
WMZS — B Curve (3 – 5X I_n Current Rating)	4
WMZS — C Curve (5 – 10X / Current Rating)	5
WMZS — D Curve (10 – 20X / Current Rating)	6
Accessories	7
Technical Data	10

WMZS Circuit Breakers PRODUCT OVERVIEW



Eaton's WMZS line of miniature circuit breakers includes a broad range of devices defined as "supplementary protectors." These breakers comply with UL® 1077 and CSA® 22.2 No. 235 regulations defining supplementary overcurrent protection. In these applications, branch circuit protection is not required, or is provided by a separate device like a fuse or molded case circuit breaker.

WMZS Supplementary Protectors are typically used for control circuits, lighting, business equipment, appliances and a range of other applications where "closer" protection is desired than that offered by a branch circuit protection device.

Extensive Product Range

Eaton's Supplementary Protectors are available in 1-, 2- and 3-pole configurations and 20 different current ratings from 0.5A to 63A. Three different trip characteristics, including B, C and D curves, give you the ability to configure the exact protection scheme you require. Devices can be used in applications up to 480 Vac and 48 Vdc with short-circuit ratings up to 10 kA.

Ease of Installation

All breakers mount on a standard 35 mm DIN rail. Each device has box terminals that accept multiple conductors. Bus connectors and feeder terminals facilitate mounting and wiring of multiple miniature circuit breaker arrays in control panel assemblies. Power to the circuit breakers can also be fed from the line or load side.

Standard Features

WMZS breaker terminals provide finger and back-of-hand protection to guard against accidental contact with live parts.

A color-coded red/green indicator provides immediate visual indication of device status (green for OFF, red for ON) and isolation function.

All WMZS breakers also incorporate a "trip-free" mechanism. This prevents the trip function from being defeated by holding the operator in the ON position.

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 also comply with IEC 60947-2 and are CE marked.



WMZS Circuit Breakers
PRODUCT OVERVIEW

Discover These Advanced Features

Breakers install on standard DIN rail

Available in 1-, 2- and 3-pole models

Color-coded indicator provides breaker status for easy troubleshooting



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

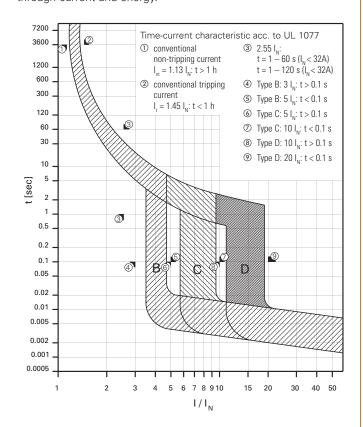
Trip-free design; breaker cannot be defeated by holding the handle in the ON position

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

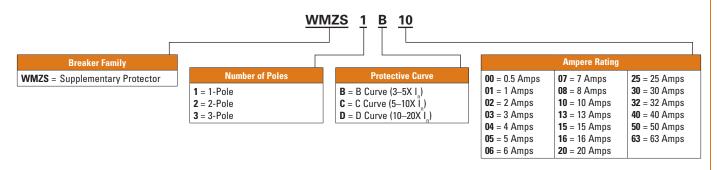
Three Tripping Curves to Choose

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 (/_).

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 letthrough current and energy.



Catalog Numbering System



WMZS Circuit Breakers PRODUCT SELECTION

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

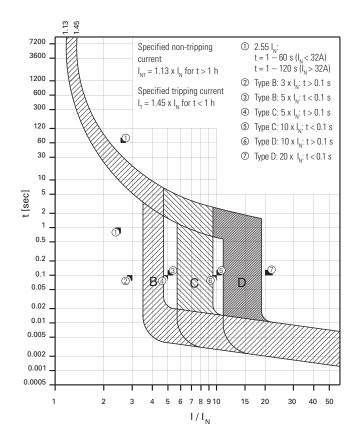
- · Designed for resistive or slightly inductive loads
- Response time of instantaneous trip: 3 5X I_n current rating
- UL Recognized and CSA Certified as Supplementary Protectors
- For international and domestic use (conform to IEC 60947-2)

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 $(I_{\rm p})$. Applications include PLC wiring, business equipment, lighting, appliances and some motors. Low magnetic trip point.

B Curve (3 – 5X I_n Current Rating) — Designed for Resistive or Slightly Inductive Loads ①

	ra-w	7. O	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1-Pole	2-Pole	3-Pole
Amperes	Catalog Number	Catalog Number	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

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.



WMZS Circuit Breakers
PRODUCT SELECTION

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

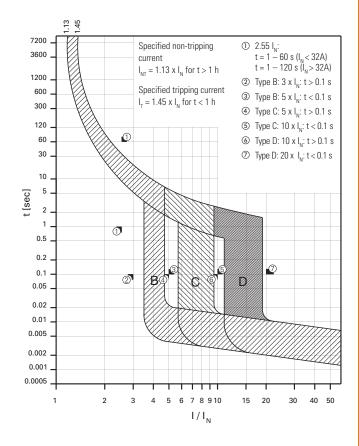
- · Designed for inductive loads
- Response time of instantaneous trip: 5 10X I₂ current rating
- UL Recognized and CSA Certified as Supplementary Protectors
- For international and domestic use (conform to IEC 60947-2)

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.

C Curve (5 – 10X I_n Current Rating) — Designed for Inductive Loads ①



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.



WMZS Circuit Breakers PRODUCT SELECTION

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

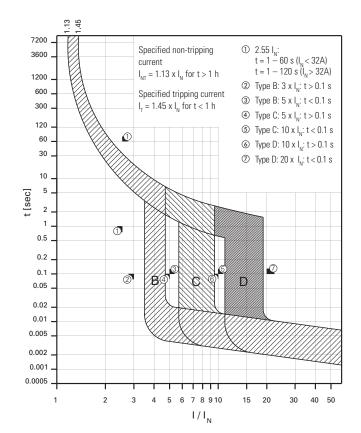
- · Designed for highly inductive loads
- Response time of instantaneous trip: 10 20X / current rating
- UL Recognized and CSA Certified as Supplementary Protectors
- For international and domestic use (conform to IEC 60947-2)

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

D Curve (10 – 20X I_n Current Rating) — Designed for Inductive Loads \odot



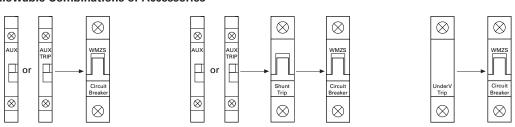
① In North America, these switches are UL recognized and CSA certified as Supplementary Protection devices. Per the intent of NEC (National Electrical Code), Article 240, and CEC (Canadian Electrical Code), Part 1 C22.1, supplementary breakers cannot be used as a substitute for the branch circuit protective 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.



WMZS Circuit Breakers **ACCESSORIES**

Auxiliary Contacts and Voltage Trips									
Module	Circuit Diagram	Description	Rated Operational Voltage	Catalog Number					
Standard Auxiliary Contact	ts								
20 Total (24 total) (10 total)	H 12 14 11 9	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								
	OFF 1 N 1.11 4.11 1 1.14 4.12 2 4 1.12 4.14	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	115 Vac	WMZSUVR115					
F.T.N	D1 U<	Includes Test Button	230 Vac	WMZSUVR230					
	lD2		400 Vac	WMZSUVR400					
Shunt Trip	<u> </u>	<u> </u>	1						
) But M	<u> </u> C1	Allows Remote Trip of WMZS Installs on Left Side of WMZS	110 – 415 Vac 110 – 230 Vdc	WMZSST415					
and the same of th	C2		12 – 110 Vac 12 – 60 Vdc	WMZSST110					

Allowable Combinations of Accessories

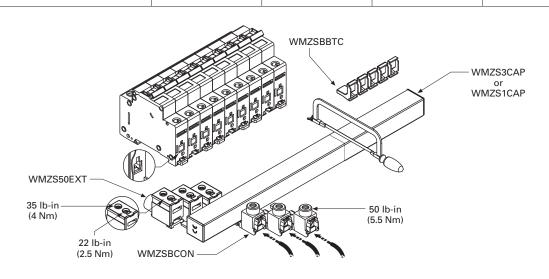


WMZS Circuit Breakers

ACCESSORIES

Bus Bar System

Description	Rated Operational Current (A)	Number of Poles per Device	Number of Terminals	Catalog Number	
Vithout 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	
$\otimes \otimes \otimes$		3	57	WMZS3P57T	
WMZS WMZS	100	1	57	WMZS1P57T25	
$\otimes \otimes \otimes$		2	56	WMZS2P56T25	
		3	57	WMZS3P57T25	
uxiliary / 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	
WMZS WMZS	100	1	37	WMZS1P37T25AUX	
$\overset{\otimes}{\otimes}\otimes \overset{\otimes}{\otimes} \otimes$		2	46	WMZS2P46T25AUX	
		3	48	WMZS3P48T25AUX	



WMZS Circuit Breakers

ACCESSORIES

Pin Type Incoming Supply Terminals ①

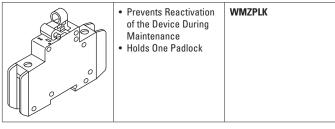
Accessories	Description	Installation	Catalog Number
Incoming Termin	nal		
32	Accommodates Conductors Up to 25 mm² (~ AWG 4) Finger-Safe Connection		WMZSBCON

① IEC rated only.

Protective Accessories

Trotcotive Addessori								
Accessories	Description	Catalog Number						
Bus Bar Terminal Cover								
	For Covering Unused Terminals	WMZSBBTC						

Padlock Hasp

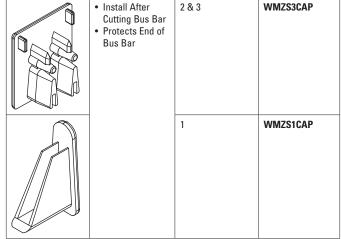


Bus Incoming Supply Terminals

Description	Installation	Catalog Number
nal		
• 50 mm² • #14–1 AWG • 75 Deg Wire • 115 A/Y, 480V UL • 160 A/Y 690V IEC		WMZS50EXT
	• 50 mm² • #14–1 AWG • 75 Deg Wire • 115 A/Y, 480V UL	• 50 mm² • #14–1 AWG • 75 Deg Wire • 115 A/Y, 480V UL

Bus Bar End Cap

Accessories	Description	Poles	Catalog Number
Fork Connector			
	Install After	2 & 3	WMZS3CAP

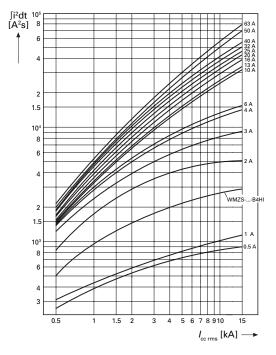


WMZS Circuit Breakers

TECHNICAL DATA

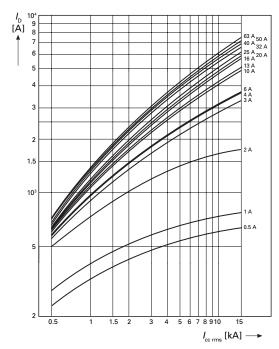
Let-Through Energy I2t

Characteristic B and C

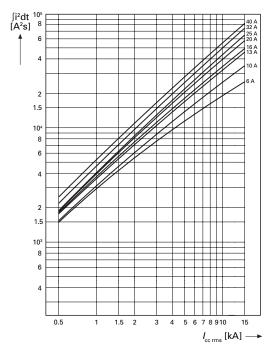


Let-Through Current I_D

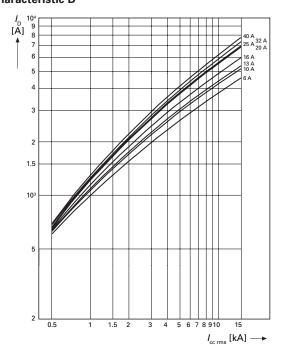
Characteristic B and C



Characteristic D



Characteristic D



WMZS Circuit Breakers
TECHNICAL DATA

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 x 5 I _n	5 x 10 I _n	10 x 20 I _n
Supplementary Protectors — UL /	CSA		
Current Range	6 – 63A	0.5 – 63A	0.5 – 40A
Maximum Voltage Ratings — UL / CSA 1-Pole 2-, 3-Pole	277 Vac 48 Vdc 480Y/277 Vac	277 Vac 48 Vdc 480Y/277 Vac	277 Vac 48 Vdc 480Y/277 Vac
2 Poles in Series	125 Vdc	125 Vdc	125 Vdc
Thermal Tripping Characteristics Single-Pole Multi-Pole	1.35 x I _n @ 40°C 1.45 x I _n @ 40°C	1.35 x I _n @ 40°C 1.45 x I _n @ 40°C	1.35 × I _n @ 40°C 1.45 × I _n @ 40°C
Short-Circuit Ratings (at Max. Voltage) 1-Pole 2-, 3-Pole 1-Pole 2 Poles in Series	10 kA (5 kA for 40–63A Device) 10 kA (5 kA for 40–63A Device) 10 kA @ 48 Vdc 10 kA @ 125 Vdc	10 kA (5 kA for 40–63A Device) 10 kA (5 kA for 40–63A Device) 10 kA @ 48 Vdc 10 kA @ 125 Vdc	5 kA 5 kA 10 kA @ 48 Vdc 10 kA @ 125 Vdc
Miniature Circuit Breaker — IEC			
Current Range	6 – 63A	0.5 – 63A	0.5 – 40A
Maximum Voltage Ratings — IEC 60947-2 1-Pole	230 Vac 48 Vdc	230 Vac 48 Vdc	230 Vac 48 Vdc
2-, 3-Pole	230/400 Vac	230/400 Vac	230/400 Vac
Maximum Voltage Ratings — IEC 60898 1-Pole	240 Vac 48 Vdc	240 Vac 48 Vdc	240 Vac 48 Vdc
2-, 3-Pole	240/415 Vac	240/415 Vac	240/415 Vac
Thermal Tripping Characteristics Single-Pole Multi-pole	> 1 Hour @ 1.05 x I < 1 Hour @ 1.3 x I	> 1 Hour @ 1.05 x I _n < 1 Hour @ 1.3 x I _n	> 1 Hour @ 1.05 x I _n < 1 Hour @ 1.3 x I _n
Interrupt Ratings (at Max. Voltage) IEC 60947-2 IEC 60898 Operational Switching Capacity Max. Back-Up Fuse [gL/gG] Rated Impulse Withstand—U Rated Insulation Voltage—U	15 kA 10 kA 7.5 kA 125A 4000 Vac 440 Vac	15 kA 10 kA 7.5 kA 125A 4000 Vac 440 Vac	15 kA 10 kA 7.5 kA 125A 4000 Vac 440 Vac
Environmental / General			
Selectivity Class Lifespan (Operations) Shock (IEC 68-2-22) Operating Temperature Range Shipment & Short-Term Storage Housing Material	3 > 10000 (1 operation = ON/OFF) 10g-120 ms +23 - +104°F (-5 - +40°C) -40 - +185°F (-40 - +85°C) Nylon	3 > 10000 (1 operation = ON/OFF) 10g-120 ms +23 - +104°F (-5 - +40°C) -40 - +185°F (-40 - +85°C) Nylon	3 > 10000 (1 operation = 0N/0FF) 10g-120 ms +23 - +104°F (-5 - +40°C) -40 - +185°F (-40 - +85°C) Nylon
Mechanical			
Standard Front Dimension Device Height Terminal Protection Mounting Width per Pole	80 mm Finger and Back-of-Hand Proof to IEC 536 17.7 mm	80 mm Finger and Back-of-Hand Proof to IEC 536 17.7 mm	80 mm Finger and Back-of-Hand Proof to IEC 536 17.7 mm
Mounting Degree of Protection Terminals Top and Bottom Supply Connection	IEC/EN 60715 Top-Hat Rail IP20 Twin-Purpose Terminals Line or Load Side	IEC/EN 60715 Top-Hat Rail IP20 Twin-Purpose Terminals Line or Load Side	IEC/EN 60715 Top-Hat Rail IP20 Twin-Purpose Terminals Line or Load Side
Terminal Capacity [mm²] Torque Imperial Torque	1 x 25 (AWG 4 - 18) / 2 x 10 (AWG 8 - 18) 2.4 Nm 21 lb-in (AWG 18 - 12), 25 lb-in (AWG 10 - 8), 36 lb-in (AWG 6 - 4)	1 x 25 (AWG 4 - 18) / 2 x 10 (AWG 8 - 18) 2.4 Nm 21 lb-in (AWG 18 - 12), 25 lb-in (AWG 10 - 8), 36 lb-in (AWG 6 - 4)	1 x 25 (AWG 4 – 18) / 2 x 10 (AWG 8 – 18) 2.4 Nm 21 lb-in (AWG 18 – 12), 25 lb-in (AWG 10 – 8), 36 lb-in (AWG 6 – 4)
Thickness of Bus Bar Material Mounting Position	0.8 – 2 mm As Required	0.8 – 2 mm As Required	0.8 – 2 mm As Required

WMZS Circuit Breakers

TECHNICAL DATA

Technical Data

	WMZSAUX		
Description	WMZSAUXTRIP	WMZSST	WMZSUVR
Electrical			
Contact Function	1A + 1B 2 C/0	_	_
Rated Operational Voltage $U_{_{\mathrm{n}}}$	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 [x U_n]	_	_	0.8
Tripping Threshold [x U_n]	_	_	0.5
Rated Frequency f	50/60 Hz	50/60 Hz	50/60 Hz
General Use (UL / CSA) AC—230/240 Vac DC—110/120 Vdc	2 / 2A 0.5 / 0.5A	_	
Pilot Duty	A600 / Q600	_	_
Conventional Free Air Thermal Current $I_{\rm th}$	4A	_	_
Rated Operational current AC-13 $I_{\rm e}$ AC-15 $I_{\rm e}$ DC-13 $I_{\rm e}$	3A (250 Vac) 2A (250 Vac) 0.5A (110 Vdc)		
Rated Insulation Voltage $U_{\rm i}$	250 Vac	_	_
Minimum Operating Voltage per Contract U_{\min}	5 Vdc		_
Rated Impulse Withstand Voltage (1.2/50 μ) $U_{\rm imp}$	2.5 kV	_	_
Rated Conditional Short-Circuit Current with 6A Back-Up Fuse $I_{ m SC}$	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 Flexible	0.5 – 2.5 mm ² 0.5 – 2.5 mm ²	1 – 2.5 mm ² 1 – 2.5 mm ²	2 x (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)

WMZS Circuit Breakers
TECHNICAL DATA

Influence of the Ambient Temperature on the Thermal Tripping Behavior

Corrected values of the rated current dependent on the ambient temperature

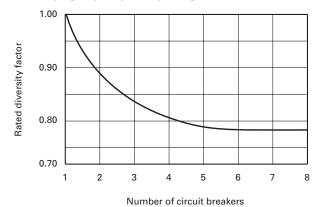
	Ambient Temperature T												
<i>I</i> _n (A)	-25°C	-20°C	-10°C	0°C	10°C	20°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
0.16	0.20	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14
0.25	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22
0.5	0.61	0.60	0.58	0.56	0.54	0.52	0.50	0.49	0.48	0.47	0.46	0.45	0.44
0.75	0.92	0.90	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	1.0	1.0	0.99	0.97	0.95	0.93	0.90	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	2.0	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	2.0	2.0	1.9	1.9	1.9	1.8	1.8
2.5	3.1	3.0	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	3.0	3.0	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	4.0	3.9	3.9	3.8	3.7	3.6	3.5
5	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.4
6	7.3	7.2	7.0	6.7	6.5	6.3	6.0	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	9.0	8.7	8.4	8.0	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	9.0	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 Frequency

Influence of the mains frequency on the tripping behavior ${\it I}_{\rm MA}$ of the instantaneous release

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

Load Carrying Capacity of Adjoining Miniature Circuit Breakers



EATON CORPORATION UL 1077 DIN Rail Supplementary Protectors

80

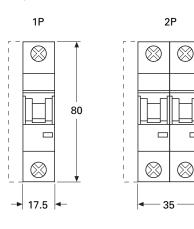
WMZS Circuit Breakers

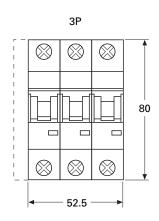
TECHNICAL DATA

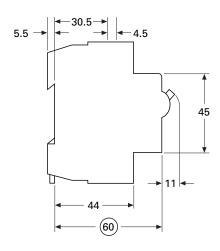
Dimensions

Miniature Circuit Breakers

WMZS

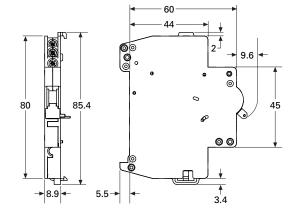






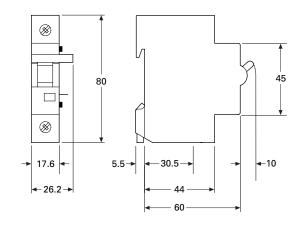
Auxiliary Contacts

WMZSAUX

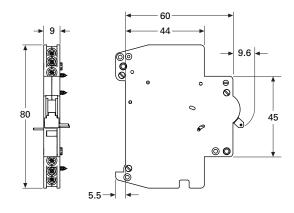


Shunt Releases

WMZSST

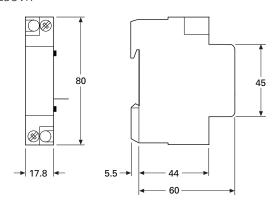


WMZSAUXTRIP



Undervoltage Releases

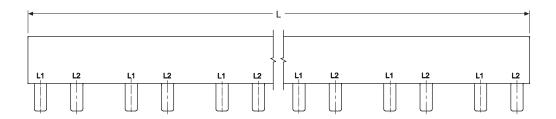
WMZSUVR

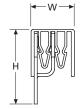


WMZS Circuit Breakers
TECHNICAL DATA

Bus Bar & Accessory Weights and Dimensions

Catalog Number	Unit Weight (kg)	Length (mm)	Width (mm)	Height (mm)
WMZS1P57T	0.29	1009	15	15
WMZS2P56T	0.64	991	22	37
WMZS3P57T	0.83	1009	22	37
WMZS1P37TAUX	0.26	985	15	15
WMZS2P46TAUX	0.63	1009	22	37
WMZS3P48TAUX	0.79	982	22	37
WMZS1P57T25	0.36	1009	15	15
WMZS2P56T25	0.79	991	22	37
WMZS3P57T25	1.04	1009	22	37
WMZS1P37T25AUX	0.31	985	15	15
WMZS2P46T25AUX	0.73	1009	22	37
WMZS3P48T25AUX	0.97	982	22	37
WMZSBCON	0.03	60	17	29
WMZS50EXT	0.03	40	18	30
WMZSBBTC	0.003	85	12	24
WMZS1CAP WMZS3CAP	0.003 0.001 0.001	14 24	5 22	10 10





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