

Thermal Magnetic Type Circuit Breakers

CB4200 series supplementary circuit breakers



Introduction

The CB4200 series of thermal magnetic circuit breakers feature a push-button style of trip reset. This reset provides a visual indication of status which allows for rapid troubleshooting.

Features

- Push-button trip reset
- Instant visual troubleshooting
- Super thin width (12.5mm)
- One and two poles available
- Max current ratings 16A

Approvals



Weidmüller, Inc

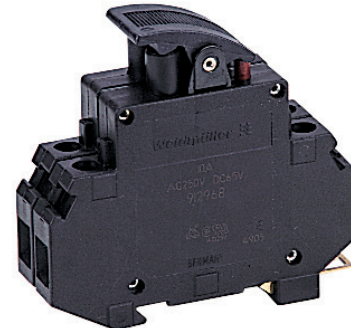
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Thermal Magnetic Type Circuit Breakers

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CB 4200 Single Pole TS 35 Rail



CB 4200 Double Pole TS 35 Rail

Ordering data

Type	Description	Current rating (amps)	Qty.	Order no.
CB4201-10, .05A/TS35	CB 4200 Single Pole TS 35 Rail	0.05	1	9124083500
CB4201-10, 0.08A/TS35	CB 4200 Single Pole TS 35 Rail	0.08	1	7940102274
CB4201-10, 0.1A/TS35	CB 4200 Single Pole TS 35 Rail	0.1	1	7940125376
CB4201-10, 0.2A/TS35	CB 4200 Single Pole TS 35 Rail	0.2	1	7940102182
CB4201-10, 0.3A/TS35	CB 4200 Single Pole TS 35 Rail	0.3	1	7940102288
CB4201-10, 0.4A/TS35	CB 4200 Single Pole TS 35 Rail	0.4	1	7940102266
CB4201-10, 0.5A/TS35	CB 4200 Single Pole TS 35 Rail	0.5	1	7940125372
CB4201-10, 0.6A/TS35	CB 4200 Single Pole TS 35 Rail	0.6	1	7940102267
CB4201-10, 0.7A/TS35	CB 4200 Single Pole TS 35 Rail	0.7	1	7940102277
CB4201-10, 0.8A/TS35	CB 4200 Single Pole TS 35 Rail	0.8	1	7940125814
CB4201-10, 1.0A/TS35	CB 4200 Single Pole TS 35 Rail	1.0	1	7940129001
CB4201-10, 1.2A/TS35	CB 4200 Single Pole TS 35 Rail	1.2	1	7940102156
CB4201-10, 1.3A/TS35	CB 4200 Single Pole TS 35 Rail	1.3	1	7940113961
CB4201-10, 1.4A/TS35	CB 4200 Single Pole TS 35 Rail	1.4	1	7940113962
CB4201-10, 1.5A/TS35	CB 4200 Single Pole TS 35 Rail	1.5	1	7940125374
CB4201-10, 1.8A/TS35	CB 4200 Single Pole TS 35 Rail	1.8	1	7940110250
CB4201-10, 2.0A/TS35	CB 4200 Single Pole TS 35 Rail	2.0	1	7940126716
CB4201-10, 2.5A/TS35	CB 4200 Single Pole TS 35 Rail	2.5	1	7940102159
CB4201-10, 3.0A/TS35	CB 4200 Single Pole TS 35 Rail	3.0	1	7940126717
CB4201-10, 3.5A/TS35	CB 4200 Single Pole TS 35 Rail	3.5	1	7940102268
CB4201-10, 4.0A/TS35	CB 4200 Single Pole TS 35 Rail	4.0	1	7940125377
CB4201-10, 4.5A/TS35	CB 4200 Single Pole TS 35 Rail	4.5	1	7940102269
CB4201-10, 5.0A/TS35	CB 4200 Single Pole TS 35 Rail	5.0	1	7940125375
CB4201-10, 5.5A/TS35	CB 4200 Single Pole TS 35 Rail	5.5	1	7940110236
CB4201-10, 6.0A/TS35	CB 4200 Single Pole TS 35 Rail	6.0	1	7940126719
CB4201-10, 6.5A/TS35	CB 4200 Single Pole TS 35 Rail	6.5	1	7940102245
CB4201-10, 7.0A/TS35	CB 4200 Single Pole TS 35 Rail	7.0	1	7940102180
CB4201-10, 8.0A/TS35	CB 4200 Single Pole TS 35 Rail	8.0	1	7940102172
CB4201-10, 9.0A/TS35	CB 4200 Single Pole TS 35 Rail	9.0	1	7940102186
CB4201-10, 10.0A/TS35	CB 4200 Single Pole TS 35 Rail	10.0	1	7940126718
CB4201-10, 11.0A/TS35	CB 4200 Single Pole TS 35 Rail	11.0	1	7940110251
CB4201-10, 12.0A/TS35	CB 4200 Single Pole TS 35 Rail	12.0	1	7940125378
CB4201-10, 13.0A/TS35	CB 4200 Single Pole TS 35 Rail	13.0	1	7940110252
CB4201-10, 14.0A/TS35	CB 4200 Single Pole TS 35 Rail	14.0	1	7940110237
CB4201-10, 15.0A/TS35	CB 4200 Single Pole TS 35 Rail	15.0	1	7940102165
CB4201-10, 16.0A/TS35	CB 4200 Single Pole TS 35 Rail	16.0	1	9124213500

Ordering data

Type	Description	Current rating (amps)	Qty.	Order no.
CB4202-10, .05A/TS35	CB 4200 Double Pole TS 35 Rail	0.05	1	7940116364
CB4202-10, .08A/TS35	CB 4200 Double Pole TS 35 Rail	0.08	1	7940116365
CB4202-10, 0.1A/TS35	CB 4200 Double Pole TS 35 Rail	0.1	1	7940116356
CB4202-10, 0.2A/TS35	CB 4200 Double Pole TS 35 Rail	0.2	1	2853650000
CB4202-10, 0.3A/TS35	CB 4200 Double Pole TS 35 Rail	0.3	1	7940116367
CB4202-10, 0.4A/TS35	CB 4200 Double Pole TS 35 Rail	0.4	1	7940116369
CB4202-10, 0.5A/TS35	CB 4200 Double Pole TS 35 Rail	0.5	1	7940102279
CB4202-10, 0.6A/TS35	CB 4200 Double Pole TS 35 Rail	0.6	1	7940116371
CB4202-10, 0.7A/TS35	CB 4200 Double Pole TS 35 Rail	0.7	1	7940116373
CB4202-10, 0.8A/TS35	CB 4200 Double Pole TS 35 Rail	0.8	1	7940116408
CB4202-10, 1.0A/TS35	CB 4200 Double Pole TS 35 Rail	1.0	1	7940102280
CB4202-10, 1.2A/TS35	CB 4200 Double Pole TS 35 Rail	1.2	1	7940116411
CB4202-10, 1.3A/TS35	CB 4200 Double Pole TS 35 Rail	1.3	1	7940113963
CB4202-10, 1.4A/TS35	CB 4200 Double Pole TS 35 Rail	1.4	1	2853660000
CB4202-10, 1.5A/TS35	CB 4200 Double Pole TS 35 Rail	1.5	1	7940116413
CB4202-10, 1.8A/TS35	CB 4200 Double Pole TS 35 Rail	1.8	1	7940116375
CB4202-10, 2.0A/TS35	CB 4200 Double Pole TS 35 Rail	2.0	1	7940102281
CB4202-10, 2.5A/TS35	CB 4200 Double Pole TS 35 Rail	2.5	1	7940102282
CB4202-10, 3.0A/TS35	CB 4200 Double Pole TS 35 Rail	3.0	1	7940102283
CB4202-10, 3.5A/TS35	CB 4200 Double Pole TS 35 Rail	3.5	1	7940116377
CB4202-10, 4.0A/TS35	CB 4200 Double Pole TS 35 Rail	4.0	1	7940102287
CB4202-10, 4.5A/TS35	CB 4200 Double Pole TS 35 Rail	4.5	1	7940116378
CB4202-10, 5.0A/TS35	CB 4200 Double Pole TS 35 Rail	5.0	1	7940126723
CB4202-10, 5.5A/TS35	CB 4200 Double Pole TS 35 Rail	5.5	1	7940116379
CB4202-10, 6.0A/TS35	CB 4200 Double Pole TS 35 Rail	6.0	1	7940102271
CB4202-10, 6.5A/TS35	CB 4200 Double Pole TS 35 Rail	6.5	1	7940116381
CB4202-10, 7.0A/TS35	CB 4200 Double Pole TS 35 Rail	7.0	1	7940116383
CB4202-10, 8.0A/TS35	CB 4200 Double Pole TS 35 Rail	8.0	1	7940102187
CB4202-10, 9.0A/TS35	CB 4200 Double Pole TS 35 Rail	9.0	1	7940116385
CB4202-10, 10.0A/TS35	CB 4200 Double Pole TS 35 Rail	10.0	1	7940102285
CB4202-10, 11.0A/TS35	CB 4200 Double Pole TS 35 Rail	11.0	1	7940116386
CB4202-10, 12.0A/TS35	CB 4200 Double Pole TS 35 Rail	12.0	1	7940102272
CB4202-10, 13.0A/TS35	CB 4200 Double Pole TS 35 Rail	13.0	1	9124453500
CB4202-10, 14.0A/TS35	CB 4200 Double Pole TS 35 Rail	14.0	1	7940116389
CB4202-10, 15.0A/TS35	CB 4200 Double Pole TS 35 Rail	15.0	1	7940102286
CB4202-10, 16.0A/TS35	CB 4200 Double Pole TS 35 Rail	16.0	1	7940102273

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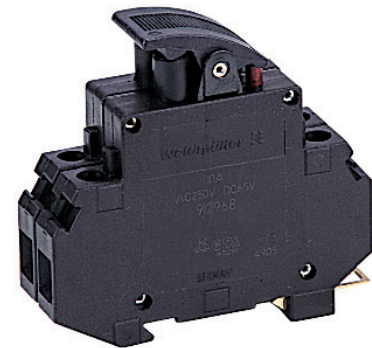
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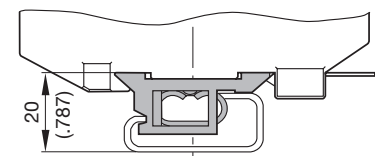
CB4200 series supplementary circuit breakers

Technical data

Rating data			
Rated voltage & current ¹	Voltage ratings	Current ratings	
UL e141439: standard UL 1077, C22.2 No 235	AC 250 V, DC 65 V, 50/60 Hz	0.05...16 A	
CSA 74488 standard C22.2 No 235	AC 250 V, DC 65 V, 50/60 Hz	0.05...16 A	
VDE standard IEC 60934	AC 250 V, DC 65 V, 50/60 Hz	0.05...16 A	
Creepage resistance	PTI 600 to IEC 112		
Dielectric strength	4,000 VAC; IEC 664 & 664 A		
Insulation resistance	> 100 M Ω (DC 500 V)		
Interrupting capacity; 4201-10 (VDE 0660, Part 101, P-2)	Rated current	Maximum capacity	
	0.05...0.8 A	Self-limiting	
	1...2 A	200 A	
	2.5...16 A	400 A	
Interrupting capacity; 4201 (UL 1077/EN 60934 PC1)	Rated current	Rated voltage	Maximum capacity
	0.05...2.0 A	AC 250 V	200 A
	2.0...16 A	AC 250 V	200 A
	20 A	AC 125 V	400 A
Typical life at 2 x rated current	5,000 operations		
Specifications			
Shock	25 g (11 ms) to IEC 60068-2-27, Test Ea		
Torque	1.2 Nm		
Vibration	5 g (57 to 500 Hz / $\pm$ 0.38 mm, 10 to 57 Hz) to IEC 60068-2-27, Test Fc		
Temperature range	-30°C...+55°C (-22°F...+131°F)		
Corrosion	96 hours at 5% salt spray, to IEC 60068-2-27, Test Ka		
Humidity	240 hours at 95% RH, to IEC 60068-2-27, Test Ca		
Weight	60g per pole		
Wire size (UL)	#20...8 AWG	solid/0.5...6 mm ²	
Marking tags	Type	Order no.	
Special print only	WS 8/5 MC, 1 card, 144 tags	1640750000***	
Consecutive horizontal	DEK 5/5, 10 cards, 50 tags per card	0473460001	
Consecutive vertical	DEK 5/5, 10 cards, 50 tags per card	0473560001	
Note: Part numbers are shown for a single card of pre-printed tags numbered 1-50.			
Accessories	Type	Order no.	
Jumpers:			
Daisy Chain 50*	CB4200 MCB/CROSS CONNECTORS BDC-50 Daisy	7940102795	
Straight CQB** (insulated)	CQB 2 STRAIGHT COMB 2/IP	7940110297	
	CQB 3 STRAIGHT COMB 2/IP	7940102799	
	CQB 4 STRAIGHT COMB 2/IP	7940102800	
	CQB 10 STRAIGHT COMB 2/IP	7940102801	
	CQB 4 ANGLES COMB 2/IP	7940126758	
Angled CQB** (insulated)	CQB 10 ANGLES COMB 2/IP	7940102802	
Adapter foot (for TS 32 Rail)	TS32 FOOT ADAPTER	9102100000	
Busbar (Single pole 1 m)	Busbar Single pole 1 meter	6720000227	
Busbar end cap for 6720000227	ENDCAP BUSBAR 1-POLE	6720000225	
Power lug for 6720000227	POWER LUG BUSBAR 1-POLE	6720000226	
Note: 1) Resistive and inductive loads (0.05 - 16 A)			
*BDC will accommodate 20 A per pin, 20 A total			
**CQB will accommodate 18 A per pin, 18 A total; dedicated to 4201 Series			
***Please specify horizontal or vertical print when ordering.			
Standard quantity = 144 tags per card.			



Adapter foot - dimensions in mm (in.)



9102100000
TS32 adapter

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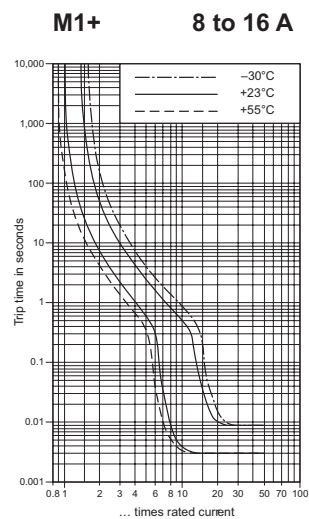
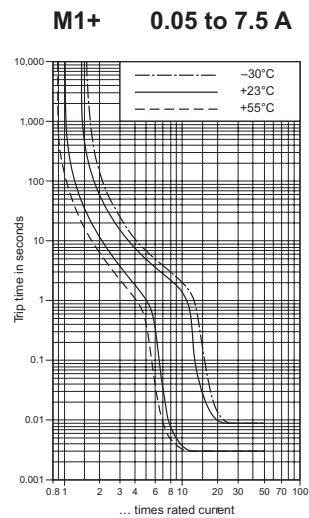
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Trip curves

Thermal Magnetic Type

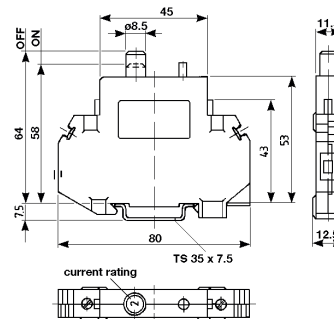
Typical time/current characteristics at 23°C

CB4200 Series Trip Curves

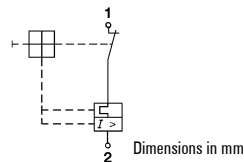


Schematic diagrams

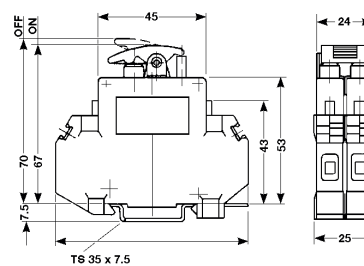
CB4200 Single Pole TS 35 Rail



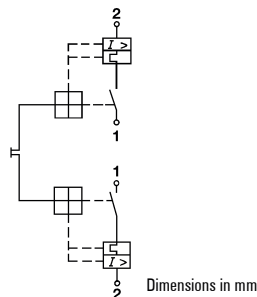
Internal wiring diagram



CB4200 Double Pole TS 35 Rail



Internal wiring diagram



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