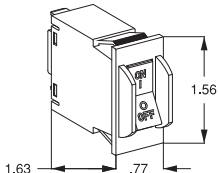
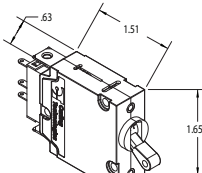
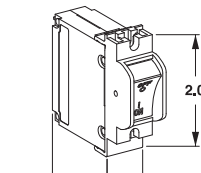
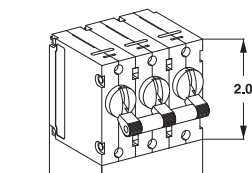


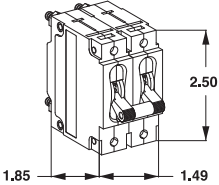
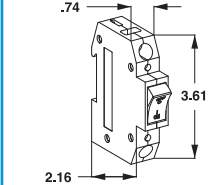
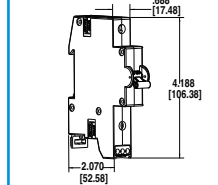
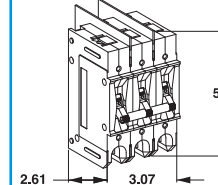
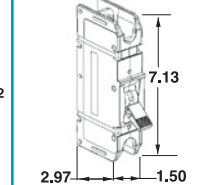
Circuit Protection

Selector Guide

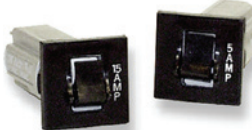


Carling Technologies®
Innovative Designs. Powerful Solutions.

Hydraulic / Magnetic				
	M-Series	H-Series	A-Series	B-Series
				
Number of Poles	1-2	1-3	1-6 (handle); 1-3 (rocker)	1-6
Actuator Style	Rocker, Paddle, Push/Pull	Handle, Rocker	Handle, Rocker, Paddle	Handle, Rocker
Available Delays	Instant, Short Medium & High Inrush AC/DC	Instantaneous, Ultra-short, Short, Medium & Long, AC, DC	Instantaneous, Ultra-short, Short, Medium & Long, AC, DC, AC/DC High Inrush - Short, Medium & Long AC and DC	Instantaneous, Ultra-short, Short, Medium & Long, AC, DC, AC/DC High Inrush - Short, Medium & Long AC and DCI
Maximum Current & Voltage Ratings	0.02 -15FLA, 32VDC, 125 VAC, 1-pole; 15.1-30GPA, 32VDC, 125VAC, 1-pole; 0.02-15FLA, 65VDC, 250VAC, 2-pole; 15.1-30GPA, 65VDC, 250VAC, 2-pole; 0.02-12FLA, 250VAC, 1-pole; 0.02-7.5GPA, 50VDC, 1-pole 0.02-30A 80VDC Polarity Sensitive (1 pole)	UL Listed 489A 1-32A@65VDC, 80VDC UL Recognized 1-32@240VAC, 65VDC, 80VDC	0.02 -30A@277VAC, 80VDC 31.0-50A@125/250VAC, 65VDC	0.02 -30A@277VAC, 80VDC 31.0-50A@125/250VAC, 65VDC
Maximum Interrupting Capacity	1000A @ 65 VDC, 2-pole 1000A @ 32 VDC, 1-pole 1000A @ 250VAC, 2-pole 1000A @ 125VAC, 1-pole 1000A @ 65VDC, 1-pole (polarity sensitive) 600A@80VDC 1-pole (polar- ity sensitive)	UL Listed 489A 2000A@65VDC 1000A@80VDC UL Recognized 3000A @ 65VDC 1000A @ 80VDC 1500A @ 250VAC	3000A @ 65 VDC, UL only 3500A @ 65 VDC, w/fuse backup 3000A @ 125/250VAC, UL only 5000A @ 277VAC, w/fuse backup	3000A @ 65 VDC, UL only 3500A @ 65 VDC, w/fuse backup 3000A @ 125/250VAC, UL only 5000A @ 277VAC, w/fuse backup
Auxiliary Switch Ratings	7A@ 250VAC 0.1A@125VAC (gold contacts) 7A(res.)@28VDC 4A(Ind.)@28VDC	10.1A@250VAC 1.0A@65VDC 15A@80VDC	10.1A@125VAC 0.1A@125VAC (gold contacts) 0.5A@65VDC 0.1A@80VDC	10.1A@125VAC 0.1A@125VAC (gold contacts) 0.5A@65VDC 0.1A@80VDC
Available Circuits	Series, Switch Only	Series, Switch Only, Relay Trip/VCoil	Series, Shunt, Relay, Switch Only, Series w/Remote Shutdown, Relay & Shunt Trip Dual Coil	Series, Shunt, Relay, Switch Only, Series w/Remote Shutdown, Relay & Shunt Trip Dual Coil, Mid-Trip with Alarm Switch
Terminal Options	.250" Tab w/ QC, 8-32 Screw	.250" Tab w/ QC, 8-32 & 10-32 Screw (& metric)	.250" Tab w/ QC, 8-32 & 10-32 Screw (& metric), PCB	.250" Tab w/ QC, 8-32 & 10-32 Screw (& metric), PCB
Mounting Method	Rocker: Front Panel Snap-In Handle: Threaded Bushing, Push-Pull	Threaded inserts	Threaded inserts: Front Panel Snap-In	Threaded inserts: Front Panel Snap-In
Agency Approvals	UL, CSA, VDE(rocker), UL489A	UL, CSA, UL489A	UL, CSA, VDE, TUV(rocker), UL1500, UL489A	UL, CSA, VDE, TUV(rocker), UL1500, UL489, UL489A
Dimensions				

Hydraulic / Magnetic					
	C-Series	D-Series	G-Series	E-Series	F-Series
					
Number of Poles	1-6 (handle); 1-3 (rocker)	1-4 (handle); 1-3 (rocker)	1-4	1-6	1-3
Actuator Style	Handle, Rocker	Handle, Rocker	Handle	Handle	Handle
Available Delays	Instantaneous, Ultra-short, Short, Medium & Long, AC, DC, AC/DC High Inrush - Short, Medium & Long AC and DC	Instantaneous, Ultra-short, Short, Medium & Long, AC, DC, AC/DC High Inrush - Short, Medium & Long AC and DC	Instantaneous, Ultra-short, Short, Medium & Long, AC, DC High Inrush - Short, Medium & Long AC and DC	Instant, Short, Medium & Long - AC, DC, and AC/DC High Inrush - Short, Medium & Long-AC, DC, and AC/DC	Short, Medium & Long DC
Maximum Current & Voltage Ratings	UL Listed 0.02-250A@80VDC 0.02-60A@125VDC 0.02-70A@120VAC 0.02-20A@240VAC UL Recognized 0.02-30A@480WYE /277VAC 2-pole, 1Ø, 3-pole, 3Ø 0.02-50A@277VAC 0.02-100A@250VAC, 80VDC 0.02-100A@120/240VAC, 65VDC	0.02 -50A@277VAC, 65VDC 0.02-30A@480WYE /277VAC, 2 pole, 1Ø, 3 pole 3Ø	UL Recognized 0.02-63A@80VDC 0.02-63A@240VAC 0.02-63A@480V VAC	UL Listed 0.02-100A@240VAC, 65VDC, 125VDC UL Recognized 0.02-100A@277VAC, 160VDC, 1-pole 0.02-100A@600VAC, 2-pole 1Ø, 3 pole 3Ø 0.02-120A@125VDC, 1-pole	UL489 Listed: 50-250A@125VDC UL489A Listed 250-700A@125VDC
Maximum Interrupting Capacity	UL Listed 50000A@80VDC, 10,000A@120VAC, 5000A@125VDC, 240VAC UL Recognized 7500A@80VDC 3000A@125/250VAC, UL only 5000A @ 250VAC 5000A@480WYE/277V AC w/fuse backup	1500A without fuse, 5000A with fuse @ 65 VDC, 250VAC, VDE only 5000A@65 VDC 5000A@ 480WYE/277VAC, w/fuse backup, UL only 3000A @ 125/250VAC, UL only	UL Recognized 3000A@80VDC 3000A@240VAC 1500A @480VAC	UL Listed 25000A@65VDC 5000A@125VDC & 240VAC UL Recognized 5000A @ 125VDC 5000A @ 600VAC, without fuse backup 10000A @ 600VAC, w/fuse backup	50000A@125VDC
Auxiliary Switch Ratings	10.1A@250VAC 0.1A@125VAC (gold contacts) 0.5A@65VDC	0.1A@80VDC n/a	5A@125VAC 3A@32VDC	10.1A@ 250VAC 1.0A@65VDC 0.1A@80VDC	10.1A@ 250VAC 0.5A@65VDC 0.1A@80VDC
Available Circuits	Series, Shunt, Relay, Switch Only, Series w/Remote Shutdown, Relay & Shunt Trip Dual Coil, Mid-Trip with Alarm Switch	Series, Switch Only, Series w/Remote Shutdown	Series, Switch Only	Series, Shunt, Relay, Switch Only, Series w/Remote Shutdown	Series & Switch Only with or without Metering Shunt
Terminal Options	10-32 Stud, 1/4-20 Stud, 0-32 Screw w/ saddle clamp, Clip Terminal, 1/4 & 7/16 Push-In	Recessed Wire-ready, Pressure Plate Type Screw Terminals	Recessed Wire-ready, Pressure Plate Type Screw Terminals	10-32 Stud, 1/4-20 Stud 0-32 Screw, 1/4-20 Screw, Box Wire Connector	3/8-16 Stud, 3/8-16 Screw & Box Wire Connector
Mounting Method	Threaded inserts	Rear Mounted on DIN Rail or Front Panel	Rear Mounted on DIN Rail	Rear or Front Panel	Rear or Front Panel
Agency Approvals	UL, CSA, VDE, TUV, UL1500, UL489, UL489A	UL, CSA, VDE	UL1077, CUL	UL, CSA, VDE, UL1500, UL489	CUL, TUV, UL489, UL489A
Dimensions					

Thermal Circuit Protectors

	CTB-Series	CMB-Series	CLB-Series	C1005B-Series
				
Number of Poles	1	1	1	1
Actuator Style	Rocker	Pushbutton	Pushbutton	Rocker
Maximum Current & Voltage Ratings	3 to 16A, 125-250VAC, 50VDC	3 to 20A, 125-250VAC, 32VDC	3 to 60A, 125-250VAC, 32VDC	7 to 16A, 125-250VAC 32VDC
Maximum Interrupting Capacity	1000A	2500A	2500A	1000A
Available Circuits	Series Trip	Series Trip	Series Trip	Series Trip
Terminal Options	.250" Tab w/QC	.250" Tab w/QC .250" Tab w/QC with 90° bend	.250" Tab w/QC .250" Tab w/QC with 90° bend Screw Terminal	.250" Tab w/QC Solder Lug
Mounting Method	Front Panel Snap-in	Front Panel Front Panel Snap-in	Front Panel Front Panel Snap-in	Front Panel Snap-in
Operating Temperature	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 65°C
Agency Approvals	UL, CUL, VDE, CE	UL, CUL, CSA, TUV, CE, UL1500/ ISO8846 for ignition protection/marine	UL, CUL, CSA, TUV, CE, UL1500/ ISO8846 for ignition protection/marine	UL, CUL, TUV, UL2077, UL1363, IEC 60935

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