



SELECTOR GUIDE

Hydraulic-Magnetic

Circuit Protection



Selector Guide



A-Series

B-Series

TB-Series

C-Series

CX-Series

Poles	1-6 (handle) 1-3 (rocker/toggle)	1-6	2	1-6 (handle) 1-3 (rocker/toggle)	1-5
Actuator Style	sealed metal toggle, handle, rocker, paddle	handle, rocker	handle	sealed metal toggle, handle, rocker	handle, 1 per pole
Available Delays	AC, DC, AC/DC: instantaneous, ultra- short, short, medium & long AC, DC: high inrush- short, medium & long	AC, DC, AC/DC: instantaneous, ultra-short, short, medium & long AC, DC: high inrush- short, medium & long	AC, ultrashort, shot, medium, long, high inrush	AC, DC, AC/DC: instant, ultrashort, short, medium & long AC, DC: high inrush-short, medium & long	DC: instant, ultrashort, short, medium & long
Max Current & Voltage Ratings	0.02-30A@ 277VAC, 80VDC 31.0-50A@ 125/250VAC, 65VDC	0.02-30A@ 277VAC, 80VDC 0.02-30A@ 125/250VAC, 65VDC	.1-20A@ 120/240VAC	UL Listed: 0.02-250A@80VDC 0.1-100A@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	UL Recognized 0.2-115A @ 600VDC UL Listed 0.2-15A @ 250/500VDC 0.2-50A @ 205/410VDC
Max Interrupting Capacity	7,500 amps	7,500 amps	10,000 amps; 5,000 amps TUV	10,000 amps	10,000 amps
Auxiliary Switch Rating	10.1A@125VAC 0.1A@125VAC (gold contacts) 0.5A@65VDC 0.1A@80VDC	10.1A@125 VAC 0.1A@125 VAC (gold contacts), 0.5A@65 VDC 0.1A@80 VDC	10.1A@125 VAC 0.1A@125 VAC (gold contacts) 0.5A@65 VDC 0.1A@80 VDC	10.1A@250 VAC 0.1A@125 VAC (gold contacts), 0.5A@80 VDC	20A@80VDC (GO circuit)
Available Circuits	series, shunt, relay, switch only, series with remote shutdown, relay & shunt trip dual coil	series, shunt, relay, switch only, series with remote shutdown, relay & shunt trip dual coil, mid-trip with alarm switch	series trip	series, shunt, relay, switch only, series with remote shutdown, relay & shunt trip dual coil, mid-trip with alarm switch	series trip
Terminal Options	.250" QC tabs 8-32 & 10-32 screw (& metric), PCB	.250" QC tabs, 8-32 & 10-32 screw (& metric), PCB	8/32, 10/32, M4, M5 back connection	10-32 stud, 1/4-20 stud, 10-32 screw with saddle clamp, 7/16 clip & push-In	10-32 or M5 screw terminals 1/4-20 or M6 threaded stud
Mounting Method	threaded inserts: front panel snap-in	threaded inserts: front panel snap-in	threaded inserts	threaded inserts	threaded insert: #6-32 UNC-2B, or M3X0.5-6H B ISO (2 per pole)
Agency Approvals	UL 489A, UL 1077, UL 1500, UL 508, CSA Accepted, TUV and VDE certified to IEC/ EN 60934, CCC	UL 489, UL 489A, UL 1077, UL 1500, UL 508, cULus, CSA Accepted, TUV and VDE certified to IEC/ EN 60934, CCC	UL 489, cULus, TUV certified to IEC/EN 60947-2	UL 489, UL 489A, UL 1077, UL 1500, UL 508, CSA Accepted, CSA Certified, TUV and VDE certified to IEC/EN 60934, TUV certified to IEC/EN 60947-2, CCC	UL 489, UL 489B, UL 1077, cRUus, cULus, and TUV certified to IEC/EN 60947- 2, CCC

Selector Guide



D-Series

E-Series

F-Series

G-Series

H-Series

Poles	1-4 (handle) 1-3 (rocker)	1-6	1-3	1-3 (UL Listed) 1-4 (UL Recognized)	1-3
Actuator Style	curved rocker, visi-rocker (1 per unit), handle (1 per pole/unit)	handle	handle	handle	handle, rocker (curved & flat)
Available Delays	AC, DC, AC/DC: instant, ultra-short, short, medium, long AC, DC: high inrush-short, medium, long	AC, DC, AC/DC: instant, short, medium & long, high inrush-short, medium & long	AC, DC: short, medium & long	AC, DC: instantaneous, ultrashort, short, medium & long AC, DC: high inrush-short, medium & long	AC, DC: instantaneous, ultra-short, short, medium & long
Max Current & Voltage Ratings	0.02-50A@277VAC, 65VDC 0.02-30A@480WYE /277VAC 2 Pole 1Ø 3 Pole 3Ø	UL Listed 0.02-100A@240VAC, 80VDC, 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 100-250A@120/240VAC 100-250A@277VAC 100-250A@208Y/120, 3ØVAC UL489A Listed 250-700A@125VDC	UL Listed: 1-50A@80VDC 1-50A@125VDC 1-50A@120VAC 1-50A@120/240VAC 1-25A@240VAC UL Recognized: 0.2-80A@80VDC 0.2-63A@240VAC 0.2-63A@480VAC	1-35A@ 65VDC, 80VDC, 250VAC
Max Interrupting Capacity	5,000 amps	10,000 amps	50,000 amps	5,000 amps	3,000 amps
Auxiliary Switch Rating	n/a	10.1A@250VAC 1.0A@65VDC 0.1A@80VDC	10.1A@250VAC 0.5A@65VDC 0.1A@80VDC	3A@125VAC 2A@30VDC	1.0A @ 65VDC/0.5A @ 80VDC, 0.1A @ 125VAC (gold contacts)
Available Circuits	series, switch only, series with remote shutdown	series, shunt,relay, switch only, series with remote shutdown	series & switch only with or without metering shunt	series, switch only	series, switch only, relay trip
Terminal Options	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	recessed wire-ready, pressure plate type screw terminals	.250" QC tabs 8-32 & 10-32 screw (& metric), PCB
Mounting Method	rear mounted on DIN rail or front panel mounted	rear or front panel	rear or front panel	rear mounted on DIN rail	threaded inserts
Agency Approvals	UL 1077, UL 508, CSA Accepted and VDE certified to IEC/EN 60934	UL 489, UL 1077, UL 1500, CSA Accepted, CSA Certified and VDE certified to IEC/EN 60934, CCC	UL 489, UL 489A, cULus, TUV certified to IEC/EN 60934, CCC	UL 489, UL 1077, cRUus, CSA Accepted, TUV certified to IEC/EN 60934, CCC	UL 1077, CSA Accepted, TUV certified to IEC/EN 60934, CCC

Selector Guide



J-Series

L-Series

M-Series

MS-Series

N-Series

Poles	1-3	1-3	1-2	1-3	1-2
Actuator Style	curved rocker, flat rocker, push-to-reset guard, handle	rocker, with or without guard	rocker (curved & flat), visi-rocker, paddle, baton, push-to-reset & push-pull pushbuttons	sealed metal toggle	flush rocker, with or without push to reset guard
Available Delays	AC, ultrashort, shot, medium, long, high inrush	AC: ultrashort, short, medium, long, short-high inrush, medium-high inrush, long-high inrush	AC/DC: instantaneous, short, medium, hi-inrush	DC: instantaneous, short & medium	AC: ultrashort, short, medium, long, short-high inrush, medium-high inrush, long-high inrush
Max Current & Voltage Ratings	1-20A@ 240 VAC	.1-32A@120/240VAC .1-20A@415/240VAC, 3 pole	1 Pole: 0.02-15FLA@32VDC,125VAC 15.1-25GPA@32VDC,125VAC 0.02-12FLA@250VAC 0.02-7.5GPA@50VDC 0.02-30GPA@65VDC, 80VDC 2 Pole: 0.02-15FLA@65VDC, 250VAC 15.1-25GPA@65VDC, 250VAC Parallel Pole: 31-50GPA@80VDC	0.2-30A@ 65VDC 240VAC, 120/240VAC	1-20A@240VAC 1-30A@120/240VAC
Max Interrupting Capacity	10,000 amps; 5,000 amps TUV	5,000 amps	1,000 amps; 600 amps TUV; 500 amps VDE	3,000 amps	22,000 amps; 10,000 amps for single pole
Auxiliary Switch Rating	n/a	n/a	7A@250VAC 0.1A@125VAC (gold contacts) 7A (res.)@28VDC 4A (ind.)@28VDC 0.25A@80VDC	5A @ 125VAC 3A @ 32VDC .1A @ 125VAC, 32VDC	n/a
Available Circuits	series trip	series trip	series and switch only parallel pole	series and switch only	series trip
Terminal Options	8/32, 10/32, M4, M5	10-32, 8-32, M5 & M4 screw	.250" QC tabs, 8-32 screw with upturned lugs, 8-32, 10-32 screw (bus type), push in stud terminals	.250" QC tabs 8-32 screw & solder type	screw terms
Mounting Method	threaded inserts	threaded insert: #6-32 UNC-2B, or M3X0.5-6H B ISO (2 per pole)	snap-in front panel threaded bushing	front panel	threaded insert: #6-32 x .195 inches ISO M3 x 5mm
Agency Approvals	UL 489, cULus, TUV certified to IEC/EN 60947-2, CCC	UL 489, cULus, TUV certified to IEC/EN 60934, CCC	UL 489A, UL 1077, CSA Accepted, TUV & VDE certified to IEC/EN 60934, CCC	UL 1077, cRUus, TUV certified to IEC/EN 60934	UL 489A, TUV certified to IEC/EN 60947-2

Typical Applications

Series	Telecom Datacom	Marine	Military	Renewable Energy	Industrial	Railway	Generators	On/Off Highway	Medical	General Purpose
MS-Series	–	–	✓	–	–	–	✓	✓	–	–
M-Series	✓	✓	–	–	–	–	✓	✓	✓	✓
H-Series	✓	–	–	–	–	–	–	–	–	–
A-Series	✓	✓	✓	✓	–	✓	✓	–	✓	✓
B-Series	✓	✓	✓	–	–	–	✓	–	✓	✓
TB-Series	✓	–	–	–	–	–	–	–	–	–
J-Series	✓	✓	–	–	–	–	✓	–	–	–
C-Series	✓	✓	✓	✓	✓	✓	✓	–	–	✓
CX-Series	✓	–	–	✓	–	–	–	–	–	–
D-Series	–	–	–	✓	✓	–	–	–	–	–
L-Series	✓	–	–	–	–	–	–	–	–	–
N-Series	✓	–	–	–	–	–	–	–	–	–
G-Series	✓	–	–	✓	✓	✓	–	–	–	–
E-Series	–	✓	✓	✓	✓	✓	✓	–	–	✓
F-Series	✓	–	✓	✓	✓	–	–	–	–	✓

Available Online are tools such as part configurit, product selectors and stock checks. Please visit www.carlingtech.com for the latest information on all our products.

Application Solution Engineers are readily available to assist you in selecting the appropriate product for your application. For further assistance, please email us at custservice@carlingtech.com

Custom Design Solutions are available for OEMs that require specific product design and performance.

Authorized Sales Representatives and Distributors

Click on a region of the map below to find your local representatives and distributors or visit www.carlingtech.com/findarep.



About Carling

Founded in 1920, Carling Technologies is a leading manufacturer of electrical and electronic switches and assemblies, circuit breakers, electronic controls, power distribution units, and multiplexed power distribution systems. With six ISO9001 and IATF16949 registered manufacturing facilities and technical sales offices worldwide, Carling Technologies Sales, Service and Engineering teams do much more than manufacture electrical components, they engineer powerful solutions! To learn more about Carling please visit www.carlingtech.com/company-profile.

To view all of Carling's environmental, quality, health & safety certifications please visit www.carlingtech.com/environmental-certifications.



European Headquarters

Carling Technologies LTD

4 Airport Business Park, Exeter Airport,
Clyst Honiton, Exeter, Devon, EX5 2UL, UK

Phone: Int + 44 1392.364422

Email: ltl.sales@carlingtech.com

Worldwide Headquarters

Carling Technologies Inc.

60 Johnson Avenue,
Plainville, CT 06062 USA

Phone: 860.793.9281

Email: sales@carlingtech.com

Asia-Pacific Headquarters

Carling Technologies, Asia-Pacific LTD.,

Suite 1607, 16/F Tower 2, The Gateway, Harbour City, 25
Canton Road, Tsimshatsui, Kowloon, Hong Kong

Phone: Int + 852-2737-2277

Email: sales@carlingtech.com.hk

WWW.CARLINGTECH.COM

