

COTS Switches & Circuit Protection

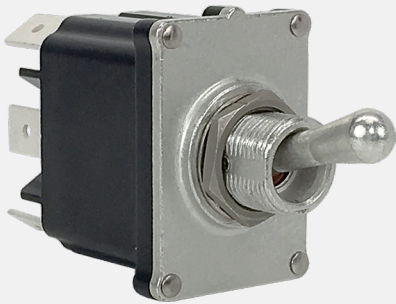
Ideal for Armored and Tactical Vehicles, Transport Vehicles, Communication Equipment, and more.

Military

Industry Brochure
and Selector Guide



Featured Switches



ST-Series >

Complies with MIL-DTL-3905G requirements for environmentally sealed toggle switches.

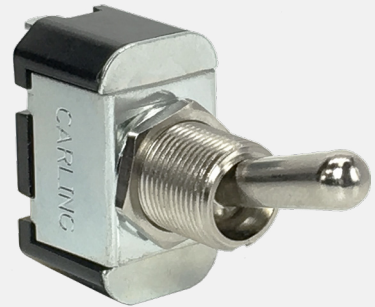
1-2 Poles
10A 250VAC, 15A 125VAC
16A 12/24VDC
IP68 Rated



V-Series >

Countless options for actuator styles, illumination, and pad printed or laser-etched legends.

1-2 Poles
Dry circuit up to 15A, 24VDC; 15A 125VAC; 10A 250VAC
IP66/68 Rated



F-Series >

Heavy duty toggle switch with slow-make, slow-break contact mechanism.

1 Pole
Up to 20A 277VAC
Suitable for Low Voltage 12/24VDC
Variety of Termination Options



BD-Series >

Designed to minimize battery drain, ensure maintenance personnel safety, and offers vehicle theft protection.

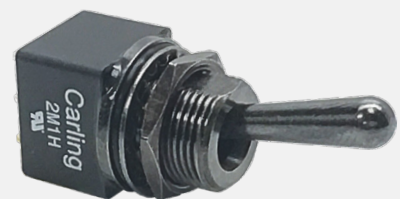
1 Pole
100-300A 12VDC/24VDC
IP67 Rated
Ergonomic Knob Actuator



V-Series Rotary >

Features a ergonomic knob and is available in maintained & momentary circuit options.

2 Poles
Up to 15A 24VDC, 20A 12VDC
IP67 Rated
Up to 3 LEDs



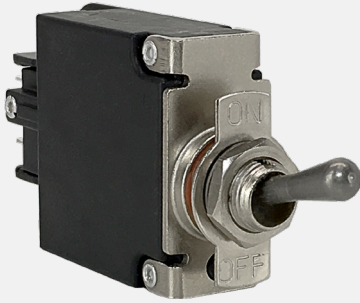
2M1H-Series >

PC mounted miniature switch comes in a variety of ratings, circuits, and toggle styles.

1-2 Poles
Up to 5A 125VAC, 28VDC
IP67 Rated
8 Single and Double Pole Circuits

For additional military capable switches please visit: www.carlingtech.com/military

Featured Hydraulic-Magnetic Circuit Protection



MS-Series >

Compact in size, but ruggedly designed to stand up to the most difficult environmental conditions.

1-3 Poles
0.2-30A, up to 65VDC, 240VAC
IP68 Rated
UL 1077, cRUus, TUV



A-Series >

Designed for precise operation with sealed metal toggle configuration ideal for harsh environments.

1-3 Poles
0.02-50A, Up to 65VDC or 240VAC
UL1077, CSA, VDE, TUV (rocker),
UL 1077, UL 1500, CSA



B-Series >

Offers countless options for ratings, colors, illuminations & laser etched legends.

1-6 Poles
0.02-50A, 277VAC or 80VDC
UL 489, UL 1077, UL 508 cULus, CSA,
TUV, VDE, CCC



C-Series >

Compact circuit breaker with sealed metal toggle configuration for most stringent applications.

1-3 Poles
0.02-100A, Up to 65VDC or 240VAC
UL 1077, UL 1077 (with UL 489
construction), UL 1500, CSA



E-Series >

Specifically designed for higher current and voltage applications.

1-6 Poles
0.02-125A, 600VAC or 125VDC
Circuit & Switch Only Options
UL 489, UL 1077, CSA, VDE, CCC



F-Series >

Rated at 125VDC, the F-Series is widely used as a battery disconnect for contingency power.

1-3 Poles
100-250A, 277VAC or 125VDC
Offers Rear or Front Panel Mounting
UL 489, cULus, TUV, CCC

For additional military capable circuit breakers please visit: www.carlingtech.com/military

Selector Guide

SWITCHES

Sealed Rockers



V-Series



L-Series



W-Series

Poles	1,2	1,2	1,2
Ratings	IP66/68; up to 20/15A 12/24VDC 15A 125VAC 10A 250VAC	IP67; up to 15A 125VAC 10A 250VAC 20A 18VDC	IP68 including connector; up to 10A 24VDC
Actuator	Rocker, Paddle, Locking Rocker	Rocker, Paddle, Locking Rocker	Bezel-Less Rocker, Paddle & Locking Rocker
Mounting Hole Specifications	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.867" x 1.734" [22mm x 44mm] snap-in mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount
Termination	.250 tabs, solder lug, wire leads	.187 tab .250 tabs	.110 tabs
Illumination	incandescent, LED, neon	incandescent, LED	LED
Approval	UL, CSA	n/a	n/a

Toggles



ST-Series



F/G/H/I-Series



DK/EK-Series

Poles	1,2	1,2,3,4	1,2
Ratings	10A 250VAC 15A 125VAC 16A 12/24VDC	up to 20A 125VAC 20A 277VAC 2 HP 250VAC	up to 20A 125VAC/DC 10A 250VAC/DC
Actuator	IP68, bat, paddle	paddle, toggle (bat)	toggle (bat), toggle (ball)
Mounting Hole Specifications	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount
Termination	.250 tabs Screw Terminals with cage clamps	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	screw terms
Illumination	n/a	n/a	n/a
Approval	UL60079-15, cUL	UL, CSA, VDE	UL, CSA

Selector Guide

SWITCHES

Rotary



V-Rotary

Poles	2
Ratings	up to 15A 24VDC 20A 12VDC
Actuator	IP67, ergonomic knob
Mounting Hole Specifications	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount
Termination	solder lug .250 tabs wire leads
Illumination	incandescent, LED
Approval	pending

V-Charger and Battery Disconnects



V-Charger



BD1-Series



BD-Series

Poles	1	1	1
Ratings	up to IP65 12V/24VDC	250 Amps 12VDC/24VDC	100-300 Amps 12VDC/24VDC
Actuator	sealed spring-loaded access doors; curved or square	ergonomic knob; removable option available	ergonomic knob
Mounting Hole Specifications	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	M6/M7 Bolt and Nut	M8 Bolt and Nut
Termination	.250 tabs	M10 Stud; 19 and 27mm length	M10 Stud M14 Stud
Illumination	LED	n/a	n/a

Selector Guide

CIRCUIT PROTECTION

Hydraulic-Magnetic



A-Series



B-Series



C-Series

Poles	1-6 (handle) 1-3 (rocker/toggle)	1-6	1-6 (handle) 1-3 (rocker/toggle)
Actuator Style	sealed metal toggle, handle, rocker, paddle	handle, rocker	sealed metal toggle, handle, rocker
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, DC, AC/DC: instant, ultrashort, short, medium & long AC, DC: high inrush-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	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
Max Interrupting Capacity	7500A@80VDC, UL only 3000A @ 120/250VAC, UL only 5000A@277VAC, with fuse backup	7500A @ 80 VDC, UL only 3000A @ 125/250VAC, UL only 5000A @ 277VAC, with fuse backup	UL Listed: 50000A@80VDC, 1P only 10000A@120VAC 5000A@125VDC/240VAC UL Recognized: 7500A@80VDC 3000A@125/250VAC, UL only 5000A@250VAC listed construction 5000A@480WYE/277VAC with fuse backup
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@250 VAC 0.1A@125 VAC (gold contacts), 0.5A@80 VDC
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, shunt, relay, switch only, series with remote shutdown, relay & shunt trip dual coil, mid-trip with alarm switch
Terminal Options	.250" QC tabs 8-32 & 10-32 screw (& metric), PCB	.250" QC tabs, 8-32 & 10-32 screw (& metric), PCB	10-32 stud, 1/4-20 stud, 10-32 screw with saddle clamp, 7/16 clip & push-In
Mounting Methods	threaded inserts: front panel snap-in	threaded inserts: front panel snap-in	threaded inserts
Agency Approvals	UL1077, CSA, VDE, TUV (rocker), UL1500, UL489A	UL1077, CSA, VDE, TUV; UL1500, UL489, UL489A	UL1077, CSA, VDE, TUV, UL1500, UL489, UL489A

Selector Guide

CIRCUIT PROTECTION

Hydraulic-Magnetic



E-Series



F-Series



MS-Series

Poles	1-6	1-3	1-3
Actuator Style	handle	handle	sealed metal toggle
Available Delays	AC, DC, AC/DC: instant, short, medium & long, high inrush-short, medium & long	AC, DC: short, medium & long	DC: instantaneous, short & medium
Max Current & Voltage Ratings	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	0.2-30A @ 65VDC 240VAC, 120/240VAC
Max Interrupting Capacity	UL Listed 50000A @ 80VDC 10000A @ 125VDC & 240VAC-5KA UL Recognized 5000A @ 125VDC 5000A @ 600VAC, without fuse backup 10000A @ 600VAC, with fuse backup	50000A @ 125VDC 10000A @ 120/240, 277, 208Y/120VAC	3000A, UI @ 65VDC 2000A, UI @ 240VAC 2000A, UI @ 120/240VAC
Auxiliary Switch Rating	10.1A @ 250VAC 1.0A @ 65VDC 0.1A @ 80VDC	10.1A @ 250VAC 0.5A @ 65VDC 0.1A @ 80VDC	5A @ 125VAC 3A @ 32VDC .1A @ 125VAC, 32VDC
Available Circuits	series, shunt, relay, switch only, series with remote shutdown	series & switch only with or without metering shunt	series and switch only
Terminal Options	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	.250" QC tabs 8-32 screw & solder type
Mounting Methods	rear or front panel	rear or front panel	front panel
Agency Approvals	UL1077, CSA, VDE, UL1500, UL489	cUL, TUV, UL489, UL489A	UL1077, cUL, TUV



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