



Carling Technologies®
/// NOW PART OF



Littelfuse®

Switches and Circuit Protection

Ideal for Ovens, Mixers,
Coffee Makers, Food
Warmers, and many more.

Commercial Food

Industry Brochure
and Selector Guide



Featured Switches



V-Series >

Countless options for actuator styles, illumination, and legends.

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



LTIG-Series >

Double pole lighted full-sized rocker available in snap-in or screw mounting brackets.

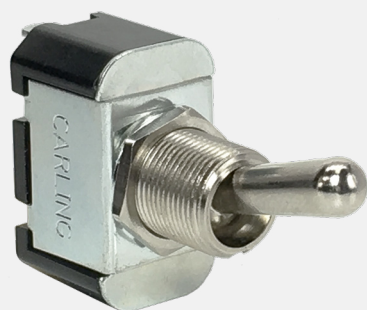
2 Poles
up to 26A 250VAC
Illuminated or Non-Illuminated
Variety of Terminations & Rockers



MAAOA/215-Series >

The MAAOA/215-Series has a phenolic material ideal for high temperatures.

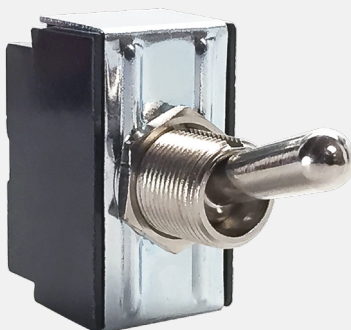
1 Pole
up to 20A 125VAC
Phenolic Toggle and Base
Snap-In Mounted



F-Series >

Single pole workhorses featuring a slow-make, slow-break contact mechanism.

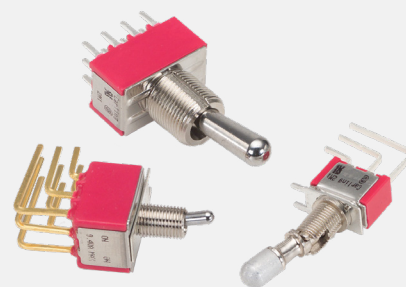
1 Pole
up to 20A 277VAC
Suitable for low voltage 12/24VDC
Variety of Termination Options



G-Series >

Double pole workhorses available with a variety of actuator lengths, styles and circuits.

2 Poles
up to 20A 277VAC
Suitable for low voltage 12/24VDC
Metal or Nylon Actuator Styles



2M-Series >

Miniature Toggle switches with various size, circuit, rating and termination options.

1-4 Poles
5A 125VAC or 28VDC
2A 250VAC
IP67 Sealing Protection Available

Featured Hydraulic-Magnetic Circuit Protection



A-Series >

A compact, temperature stable, general purpose hydraulic-magnetic circuit breaker.

1-6 Poles
0.02-50A;
up to 277VAC or 80VDC
UL 1077, CSA, VDE, TUV



B-Series >

General purpose breaker with global regulatory safety approvals for spacing requirements.

1-6 poles
0.02-50A;
up to 277VAC or 80VDC
UL 489, UL 1077, cULus, CSA, TUV, VDE, CCC



C-Series >

Hydraulic-magnetic circuit breaker ideal for high amperage applications

1-6 Poles
0.02-100A; up to 480VAC/80VDC;
up to 240VAC/125VDC for UL 489
UL 489, UL 1077, CSA, VDE, TUV, CCC



E-Series >

Certified as a supplementary protector and as a manual motor controller.

1-6 Poles
0.02-125A;
up to 125VDC, 600VAC
UL 489, UL 1077, CSA, VDE, CCC



M-Series >

Miniature circuit breakers offering high performance in a compact design.

1-2 Poles
0.02-30A;
up to 80VDC, 250VAC
UL 1077, CSA, VDE, TUV, CCC

Selector Guide

SWITCHES

Rockers



V-Series



TIG/LTIG/TIH/LTIH/TIL/LTIL/TII/LS-Series

Poles	1,2	1, 2, 3, 4
Ratings	IP66/68; up to 20/15A 12/24VDC 15A 125VAC 10A 250VAC	up to 15A 125VAC 10A 250VAC 26A 250VAC Resistive
Actuator	Rocker, Paddle, Locking Rocker	rocker, paddle
Mounting Hole Specifications	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount screw mount
Termination	.250 tabs, solder lug, wire leads	.187 tab, solder lug, .250 tabs, screw terms, wire leads
Illumination	incandescent, LED, neon	incandescent, neon
Approval	UL, CSA	UL, CSA, VDE

Toggles



F/G/H/I-Series



MAAOA/215-Series

Poles	1,2,3,4	1
Ratings	up to 20A 125VAC 20A 277VAC 2 HP 250VAC	up to 20A 125VAC 10A 250VAC 1/2HP 125-250VAC
Actuator	paddle, toggle (bat)	toggle (bat)
Mounting Hole Specifications	.500" dia [12.7mm] bushing mount	.656" x 1.218" [16.66mm x 30.54mm] snap-in mount
Termination	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	.250 tabs, screw terms, wire leads
Illumination	n/a	n/a
Approval	UL, CSA, VDE	UL, CSA

Selector Guide

CIRCUIT PROTECTION

Hydraulic-Magnetic



A-Series



B-Series



C-Series



E-Series



M-Series

Poles	1-6 (handle) 1-3 (rocker/toggle)	1-6	1-6 (handle) 1-3 (rocker/toggle)	1-6	1-2
Actuator Style	sealed metal toggle, handle, rocker	handle, rocker	sealed metal toggle, handle, rocker	handle	rocker, paddle, baton, push-to-reset & push-pull pushbuttons
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	AC, DC, AC/DC: instant, short, medium & long, high inrush-short, medium & long	AC/DC: instantaneous, short, medium, hi-inrush
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	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	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
Max Interrupting Capacity	7500A@80VDC, UL only 3000A @ 120/250VAC, UL only 5000A@277VAC, with fuse backup	7,500 amps	UL Listed: 50000A@80VDC, 1 pole 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	10,000 amps	1 Pole: 1,000A@32VDC 1,000A@125VAC 2 Pole: 1,000A@65VDC 1,000A@250VAC Parallel Pole: 600A@80VDC
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	10.1A@250VAC 1.0A@65VDC 0.1A@80VDC	7A@250VAC 0.1A@125VAC (gold contacts) 7A (res.)@28VDC 4A (ind.)@28VDC 0.25A@80VDC
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	series, shunt,relay, switch only, series with remote shutdown	series and switch only parallel pole
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	10-32 stud, 1/4-20 stud 0-32 screw, 1/4-20 screw, box wire connector	.250" QC tabs, 8-32 screw with upturned lugs, 8-32, 10-32 screw (bus type), push in stud terminals
Mounting Method	threaded inserts: front panel snap-in	threaded inserts: front panel snap-in	threaded inserts	rear or front panel	snap-in front panel threaded bushing
Agency Approvals	UL1077, CSA, VDE, TUV (rocker), UL1500, UL489A	UL 489, UL 489A, UL 1077, UL 1500, UL 508, cULus, CSA Accepted, TUV and VDE certified to IEC/EN 60934, CCC	UL1077, CSA, VDE, TUV, UL1500, UL489, UL489A	UL 489, UL 1077, UL 1500, CSA Accepted, CSA Certified and VDE certified to IEC/ EN 60934, CCC	UL1077, CSA, VDE, TUV, UL489A listed



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