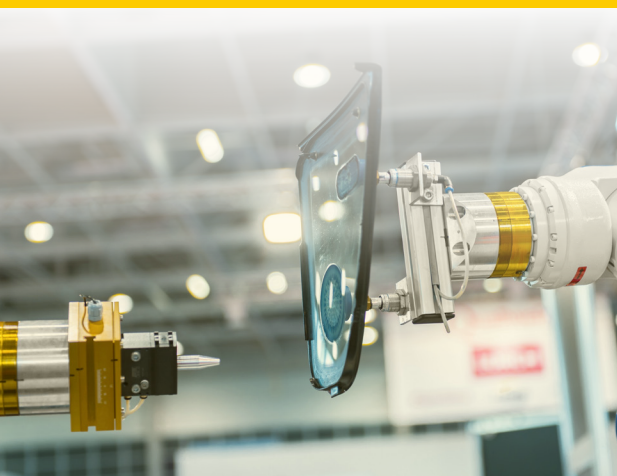


Switches and Circuit Protection

Ideal for battery chargers,
compressors, motor controllers,
conveyor belts, printing presses,
robotics, and many more.

Industrial Automation

Industry Brochure
and Selector Guide



Featured Switches



V-Series >

Countless options for actuator styles, illumination, and legends.

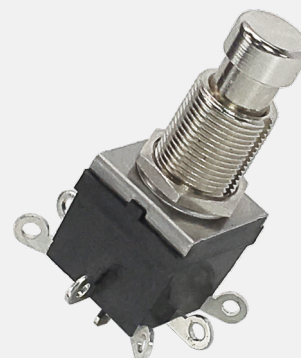
1-2 Poles
Dry circuit up to 15A, 24VDC; 15A 125VAC; 10A 250VAC
IP66/68 Rated



LTIG-Series >

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

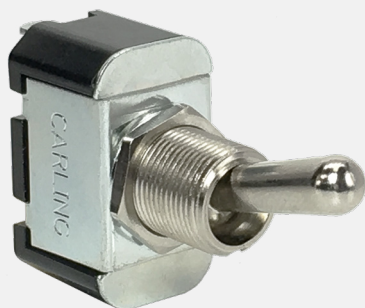
2 Poles
up to 26A 250VAC
Illuminated or Non-Illuminated
Variety of Terminations & Rockers



641-Series >

Heavy-duty, maintained action AC rated switches that utilize a slider contact mechanism.

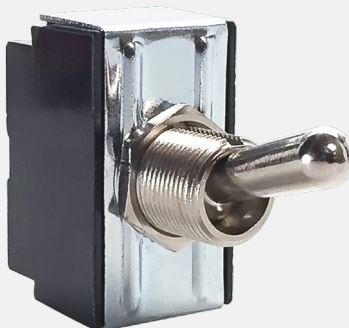
1-3 Poles
2A 250VAC; 5A 125VAC
Single & Double Throw Construction
Variety of Termination Options



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

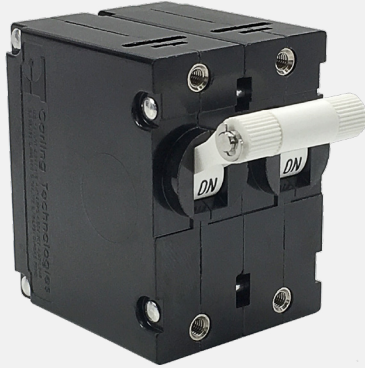


DK/EK-Series >

Quick-make, quick-break contact mechanism. Suitable for high amperage AC/DC motor control.

1-2 Poles
up to 20A 125VAC/DC; 10A 250VAC/DC
Plated brass toggles & bushings in a phenolic base

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.

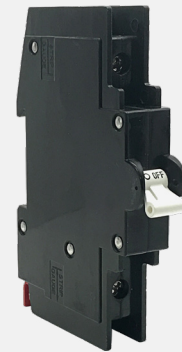
1-6 Poles
0.02-125A;
up to 125VDC, 600VAC
UL 489, UL 1077, CSA, VDE, CCC



F-Series >

Designed to safely handle high current applications and offers front or rear mounting.

1-3 Poles
100-250A;
277VAC or 125VDC Max Voltage
UL 489, cULus, TUV



G-Series >

Maximum protection by integrating wiping contacts for longevity. DIN rail mounting.

1-3 poles; 1-50A; up to 480VAC/80VDC
1-4 poles; 0.1-80A, up to
240VAC/125VDC
UL 489, UL 1077, CSA, 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 and Pushbuttons



F/G/H/I-Series



DK/EK-Series

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

Selector Guide

SWITCHES

Pushbuttons



641-Series



AV/AVH-Series

Poles	1, 2, 3	1
Ratings	up to 5A 125VAC 2A 250VAC	AV-Series: up to 10.1A 12VDC AVH-Series: up to 30A 12VDC
Actuator	pushbutton	pushbutton
Mounting Hole Specifications	.500" dia [12.7mm] bushing mount	.748" dia [19mm] bushing mount
Termination	solder lug wire leads PC terms	.110 tabs wire leads
Illumination	n/a	LED
Approval	UL, CSA	UL1500

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	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	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
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 Method	threaded inserts: front panel snap-in	threaded inserts: front panel snap-in	threaded inserts
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

Selector Guide

CIRCUIT PROTECTION

Hydraulic-Magnetic



E-Series



F-Series



G-Series

Poles	1-6	1-3	1-3 (UL Listed) 1-4 (UL Recognized)
Actuator Style	handle	handle	handle
Available Delays	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
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	UL Listed: 1-50A@80VDC, 1-50A @125VDC, 1-50A @120VACa, 1-50A @120/240VAC 1-25A @240VAC UL Recognized: 0.1-63A @80VDC 0.1-63A @240VAC 0.1-63A @480VAC
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	UL Listed: 5000A@80VDC , 5000A@125VDC, 5000A@120VAC, 5000A@120/240VAC, 5000A@240VAC UL Recognized: 3000A@80VDC 3000A@240VAC 1500A@480VAC
Auxiliary Switch Rating	10.1A@250VAC 1.0A@65VDC 0.1A@80VDC	10.1A@250VAC 0.5A@65VDC 0.1A@80VDC	3A@125VAC 2A@30VDC
Available Circuits	series, shunt, relay, switch only, series with remote shutdown	series & switch only with or without metering shunt	series, 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	recessed wire-ready, pressure plate type screw terminals
Mounting Method	rear or front panel	rear or front panel	rear mounted on DIN rail
Agency Approvals	UL1077, CSA, VDE, UL1500, UL489	cUL, TUV, UL489, UL489A	UL1077, cUL, UV, UL489



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