






MARINE

Switches, Circuit Protection & ELCI/GFCIs








SELECTOR GUIDE

ROCKERS				
	 <i>V-Series</i>	 <i>V-Series Rotary</i>	 <i>V-Charger</i>	 <i>W-Series</i>
Poles	1, 2	1, 2	1	1, 2
Ratings	up to 15A 24VDC 15A 125VAC 10A 250VAC	up to 15A 24VDC 20A 12VDC	12V/24V DC	up to 10A 24VDC
Actuator	rocker, paddle, locking rocker	ergonomic knob	sealed spring-loaded access doors	bezel-less rocker, paddle & locking rocker
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	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount
Termination	.250 tabs solder lug wire leads	solder lugs .250 tabs wire leads	.250 tabs	.110 tabs
Sealing	IP66 above panel	IP67 above panel	IP64 above panel	IP68 above and below panel, fully submersible
Illumination	incandescent, LED, neon	incandescent, LED	LED	LED
Approvals	UL, CSA, VDE	pending	n/a	n/a


	TOGGLES			PUSHBUTTON	BATTERY DISCONNECT
	 <i>LT-Series</i>	 <i>F-Series</i>	 <i>G-Series</i>	 <i>P27-Series</i>	 <i>BD-Series</i>
Poles	1, 2	1	1, 2	1	1
Ratings	up to 15A 125VAC 10A 250VAC 15A 12-28VDC	up to 20A 125VAC 20A 277VAC 2 HP 250VAC	up to 20A 125VAC 20A 277VAC 2 HP 250VAC	up to 6A 125VAC 3A 277VAC	100-250 Amps 12VDC/24VDC
Actuator	paddle, toggle (bat)	paddle, toggle (bat)	paddle, toggle (bat)	nylon concave pushbutton	ergonomic knob
Mounting Hole Specifications	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	2.75" diameter; 70.1 mm diameter
Termination	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	.250 tabs solder lug wire leads	M10 Stud
Sealing	standard bushing o-ring	optional bushing o-ring	optional bushing o-ring	n/a	IP67
Illumination	incandescent, neon	n/a	n/a	n/a	n/a
Approvals	n/a	UL, CSA, VDE	UL, CSA, VDE	UL CSA	n/a

*Options and approvals shown may apply to specific construction combinations only, consult factory for clarification.
 Manufacturer reserves the right to change product specifications without prior notice.

HYDRAULIC-MAGNETIC CIRCUIT PROTECTION

	 <i>M-Series</i>	 <i>A-Series</i>	 <i>B-Series</i>	 <i>C-Series</i>	 <i>E-Series</i>
Number of Poles	1-2	1-6 (handle) 1-3 (rocker & metal toggle)	1-6	1-6 (handle) 1-3 (rocker & metal toggle)	1-6
Actuator Style	solid color: angled rocker, paddle, baton, push-to-reset pushbutton, push-pull pushbutton two color: visi-rocker illuminated: angled rocker, flat rocker	sealed metal toggle handle rocker paddle	handle rocker	sealed metal toggle handle rocker	handle
Available Delays	AC/DC: instantaneous, short, medium, hi-inrush	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 AC, DC, AC/DC: high inrush-short, medium & long
Max Current & Voltage Ratings	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	0.02-30A@277VAC, 80VDC 31.0-50A@125/250VAC, 65VDC	0.02-30A@277VAC, 80VDC 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@120V/ 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
Max Interrupting Capacity	1 Pole: 1,000A@32VDC 1,000A@125VAC 2 Pole: 1,000A@65VDC 1,000A@250VAC Parallel Pole: 600A@80VDC	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	UL Listed 50000A@80VDC 10000A@125VDC & 240VAC-5KA UL Recognized 5000A@125VDC 5000A@600VAC, without fuse backup 10000A@600VAC, with fuse backup
Auxiliary Switch Rating	7A@250VAC 0.1A@125VAC (gold contacts) 7A (res.)@28VDC 4A (ind.)@28VDC 0.25A@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	10.1A@250VAC 0.1A@125VAC (gold contacts) 0.5A@80VDC	10.1A@250VAC 1.0A@65VDC 0.1A@80VDC
Available Circuits	series and switch only parallel pole	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
Terminal Options	.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 & 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
Mounting Method	snap-in front panel threaded bushing	threaded inserts: front panel snap-in	threaded inserts: front panel snap-in	threaded inserts	rear or front panel
Agency Approvals	UL recognized, CSA, VDE, TUV, UL489A listed	UL, CSA, VDE, TUV (rocker), UL1500, UL489A	UL, CSA, VDE, TUV (rocker), UL1500, UL489, UL489A	UL, CSA, VDE, TUV, UL1500, UL489, UL489A	UL, CSA, VDE, UL1500, UL489

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	THERMAL CIRCUIT PROTECTION			GFCI / ELCI CIRCUIT PROTECTION	
	 CMB-Series	 CLB-Series	 CLBA/CMBA-Series	 PB-Series	 PC-Series
Number of Poles	1	1	1	1-3 poles, 3rd pole switched neutral	1-poles (1 circuit breaker + 1 GFCI sensor module), 120V, 2-pole (2 circuit breakers + 1 GFCI sensor module), 120/240V, or 120V with neutral break 2-pole (2 circuit breakers + 1 GFCI sensor module), 240VAC, 3-pole 120/240V with neutral break (sensor module has 2 pole width)
Actuator	pushbutton	pushbutton	n/a	handle, rocker, flat rocker actuators	handle, rocker, flat rocker, push-to-reset actuators
Leakage Current Trip Level	n/a	n/a	n/a	30mA & 6mA	30mA & 6mA
Leakage Current Trip Time	n/a	n/a	n/a	For 30mA leakage trip: ≤ 22.2mA, shall not trip 30mA, shall trip within .10 seconds, complying with UL-1053 & ABYC E11. For 6mA leakage trip: ≤25ms	For 30mA leakage trip: ≤ 22.2mA, shall not trip 30mA, shall trip within .10 seconds, complying with UL-1053 & ABYC E11. For 6mA leakage trip: ≤25ms
Max Current & Voltage Ratings	3 to 20A, 125-250VAC, 32VDC	3 to 60A, 125-250VAC, 32VDC	3 to 40A, 125-250VAC, 32VDC	0.10-30A@120/240VAC	0.10-50A@120/240VAC - 240VAC
Max Interrupting Capacity	2500A@32 VDC	2500A@32 VDC	2500A@32 VDC	5,000A	5,000A
Available Circuits	series trip manual reset	series trip manual reset	series trip auto reset	series trip	series trip
Termination	.250 tab .250 tab with 90° bend screw terminal screw term with 90° bend	.250 tab .250 tab with 90° bend screw terminal screw term with 90° bend	.250" tab, .250" tab with 90° bend	.250 tab, 8-32, 10-32, M4,M5 screw with up-turned lugs 8-32, 10-32, M4, M5 screw, bus type	10-32 threaded stud
Mounting Method	threaded bushing, front panel snap-in	threaded bushing, front panel snap-in	plug-in	front panel	front panel
Approvals	UL, CUL, CSA, TUV, CE, UL 1500 / ISO 8846 for ignition protection / marine	UL, CUL, CSA, TUV, CE, UL 1500 / ISO 8846 for ignition protection / marine	UL, CUL, TUV, UL 1500 / ISO 8846 for ignition protection / marine	UL489, UL1077, UL1500	CSA Approved, UL 1053, UL 1500

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