







# PRODUCT SELECTOR GUIDE

## PUSH TO RESET & SWITCHABLE CIRCUIT BREAKERS

								
SERIES	SERIES 17		SERIES 37		SERIES 18		SERIES 19	
Model	171, 174, 175, 176, 177		371		1800, 1801, 1810, 1811		19M, 19A	
Features	Hi-Amp, dust & waterproof ignition protected, type I III & III (PTT) circuit breaker. Standard designs offered thru 300A in panel and surface mount versions. Options include new easy access 1/4" & 3/8" stainless terminals & hardware. Patented. LED TripID™ accessory. Made in the USA		Type I auto reset high amp circuit breaker. Economical & compact alternative to MEGA and AMG fuses. Ignition Protected Available with or without cover. Assembled in the USA.		Weatherproof, ignition proof, available as a Push-to-Reset protector. Designed for harsh environments as tested to ABYC, USCG, SAE, UL & Mil Stds requirements. UL1500 Ignition Protected. Made in the USA		Hi-Amp, superior dust & waterproof rating, Ignition protected, Type I & Type III circuit breaker. Options include mounting plate to fit competitive 175 - 200A panel cutout stainless hardware and TripID™. Made in the USA	
Current Ratings	25 - 300 Amperes		25 - 120 Amperes		2 - 70 Amperes		25 - 200 Amperes	
Max Voltage Ratings	48VDC (25 - 150A) 30VDC (175 - 200A) 14VDC (225 - 300A)		30VDC		120VAC and 32VDC		30VDC	
Calibration @ 25°C (percent of rating)	100% Hold, 135% Trip		100% Hold, 135% Trip		Model 1800 & 1801	100% Hold, 135% trip 2-40A	100% Hold, 135% Trip	
					Model 1810 & 1811	110% Hold, 143% Trip 12.5-70A		
Interrupt Capacity	Per SAE J1625, ABYC-E11		Per SAE J553, J1625		UL 1077: 3000A (32VDC) SAE J553: COMPLIANT		Per SAE J1625, ABYC-E11	
	25-150A	3kA @14VDC (Type III) 1.5kA @48VDC (Type III) 3kA @30VDC (Type I)					2.5kA @ 14VDC (25-150A) 1.5kA @ 28VDC (25-150A) 2.5kA @ 30VDC (175-200A)	
	175-200A	2.5kA @14VDC (Type III) 1.5kA @30VDC (Type I and Type III)						
	225-300A	2.5kA @14VDC per SAE J1625 (Type I) 225A, 250A, 275A, 300A 1.5kA @14VDC per SAE J1625 (Type III manual reset) 225A & 250A only 1.5kA @14VDC ABYC Main Rated (Type III manual reset) 225A & 250A only						
Operating Temp Range	-40°C/-40°F to 85°C / 185°F		-40°C/-40°F to 85°C / 185°F		-40°C/-40°F to 85°C / 185°F		-40°C/-40°F to 85°C / 185°F	
Endurance	Varies by current and voltage. See datasheet		N/A		N/A		N/A	
Terminal Stud	1/4"-28 (P0, S0, & S1) 3/8"-16 (P2, S2, & S3)		1/4"-28 threaded stud		#8-32 screw terminals #10-32 threaded .449" stud		1/4"-28 threaded stud	
Ingress Protection	IP67		IP44 (371-02 configuration ONLY) Meets the requirements of ISO 8846 / SAE J1171 for a sealed device		SAE 1428 Weatherproof		IP67 dust and waterproof; IP69K high temperature and pressure spray	
Ignition Protected	SAE J1171		Compliant to SAE J1171 & ISO 8846		UL1500		SAE J1171	
Regulatory	SAE J1625, ABYC E-11		SAE J553, J1625, Tested per UL1077		SAE J553, ABYC E-11, Tested per UL1077		SAE J1625, ABYC E-11	
Motor Load Rated	N/A		N/A		N/A		N/A	

See full datasheet for more detail



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Specifications subject to change

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<b>SERIES</b>	SERIES 53	SERIES 32	SERIES 67	SERIES 87
<b>Model</b>	533	321, 322, 323	672, 674	875
<b>Features</b>	Branch Disconnect / Circuit Breaker incorporates into a single device both traditional battery disconnect switching (non-engine) and circuit protection. Made in the USA	Smallest Push-to-Reset breaker available in 3 - 40 Amps. Various mounting and termination options. Made in China. Ignition Protected.	Small Frame Battery Selector Disconnect Switch with integrated Circuit Breaker. Circuit Protection for auxiliary circuits. Single Input and Dual input available. Made in the USA <i>*Dual input, dual circuit / combine option available 2024</i>	Switchable High Amp Single pole thermal circuit breakers, panel and surface mount, manual reset with On-Off switch function. Ignition protected and weatherproof. RoHS compliant. Made in the USA
<b>Current Ratings</b>	10-70 Amperes	3 - 50 Amperes	50-150 Amperes	25-250 Amperes
<b>Max Voltage Ratings</b>	42VDC	14VDC (Type I & II) 28VDC (Type III)	32 VDC	48VDC (Type III)
<b>Calibration @ 25°C (percent of rating)</b>	100% Hold, 135% Trip	<5A 100% Hold, 150% Trip =>5A 100% Hold, 135% Trip	*Minimum ultimate trip of 100% of rated current *Maximum ultimate trip of 135% of rated current	*Minimum ultimate trip of 100% of rated current *Maximum ultimate trip of 135% of rated current
<b>Interrupt Capacity</b>	Per SAE J553 & UL1077* (U3) at 14 & 28VDC 1.5kA @ 14VDC per ABYC (SAE J553 & UL1077* U3) 3kA @ 14VDC	Varies by current and voltage. See datasheet	3,000A @ 14VDC 1,500A @ 32VDC	25A-200A: 5kA@14VDC 3kA@28VDC 1.5kA@48VDC >200A: 1kA@14VDC 1kA@36VDC 750A@48VDC
<b>Operating Temp Range</b>	-40°C/-40°F to 85°C / 185°F	-40°C/-40°F to 85°C / 185°F	-40°C/-40°F to +85°C/185°F	-40°C/-40°F to +85°C/185°F
<b>Endurance</b>	10-25A: 5000 switching cycles, 30-45A: 4000 switching cycles, 50-60A: 3000 switching cycles, at 110% of rated load, 36VDC, per UL1107	N/A	Cranking Rating: 30 sec. 900A Intermittent Rating: 5 min. 500A Continuous Rating: 300A	Switching 2000 cycles at rated current and voltage.
<b>Termination</b>	1/4"-28 Stud Terminals	#10-32 thread options	3/8"-16 threaded stud	5/16-18 & 3/8-16 stainless steel threaded studs
<b>Ingress Protection</b>	IP66, IP67, IEC 60529	IP66 (Plastic, except terminations)	IP66, IEC 60529	IP66
<b>Ignition Protected</b>	Tested to the requirements of ISO 8846, USCG, ABYC, UL1107, UL1500 and SAE J1171	SAE J1171	UL1500/SAE J1171	Compliant to SAE J1171
<b>Regulatory</b>	SAE J553, tested per UL1107, UL1077, CE marked	SAE J553	Auxiliary Circuits protection ABYC-E11 / UL1107 SAE J553	SAE J1171 Meets SAE J553, ABYC E-11, CE
<b>Motor Load Rated</b>	OL1 @ 14V	N/A	OL1	

See full datasheet for more detail

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## PUSH TO RESET & SWITCHABLE CIRCUIT BREAKERS

				
<b>SERIES</b>	SERIES 02	SERIES 12	SERIES 14	SERIES 15
<b>Model</b>	252, 600, 601	1221, 1223, 1224, 1227	1400, 1430, 1450, 1480, 1490	1500, 1530, 1560, 1580
<b>Features</b>	<p>Trip Free "Double Break" mechanism with High Interrupt capacity. Suitable for branch circuit protection. 0.250" quick connect terminals are standard and #10-32screw terminals at 30 Amps.</p> <p>*Switchable push / pull version Available.</p>	<p>Most economical &amp; compact design, cycling trip free, Push-to-Reset supplementary protector offered in a variety of mounting and termination options.</p>	<p>Compact, economical, Push-to-Reset supplementary protector. Various mounting styles and termination options available. UL1500 ignition protected. Qualified for resistive &amp; motor applications.</p>	<p>Smallest Push-to-Reset breaker available in 3 - 40 Amps. Various mounting and termination options. Ignition Protected. Cadmium Free</p>
<b>Current Ratings</b>	5 - 30 Amperes	3 - 20 Amperes	3 - 20 Amperes	3 - 40 Amperes
<b>Max Voltage Ratings</b>	<p>Model 252 - 120VAC</p> <p>Model 600 - 277VAC/32VDC</p> <p>Model 601 - 277VAC</p>	125 / 250VAC / 50VDC	250VAC / 50VDC	250VAC / 50VDC
<b>Calibration @ 25°C (percent of rating)</b>	100% Hold, 135% Trip	100% Hold, 150% Trip	<p>100% Hold, 150% Trip (3-4A)</p> <p>100% Hold, 135% Trip (5-20A)</p>	<p>100% Hold, 150% Trip (3-4A)</p> <p>100% Hold, 135% Trip (5-40A)</p>
<b>Interrupt Capacity</b>	<p>Model 252: 5,000A/120VAC per UL489</p> <p>Model 600: 5,000A/277VAC per UL1077, 1,000A/120VAC per UL1077</p> <p>Model 601: 5,000/277VAC per UL1077</p>	<p>1000 AIC (UL1077)</p> <p>Pending UL update to AIC: 2,500 AIC, 14VDC / 1,500 AIC, 28VDC (UL1077)</p>	<p>Per UL1077</p> <p>1,000A @ 250VAC / 50VDC</p> <p>3,000A @ 32VDC</p>	<p>Per UL1077</p> <p>1,000A @ 250VAC</p> <p>1,000A @ 50VDC</p> <p>2,500A @ 32VDC</p>
<b>Operating Temp Range</b>		-10°C/+14°F to +60°C/140°F		
<b>Termination</b>	Quick Connect Terminals	Varies by model	Varies by model	Varies by model
<b>Ignition Protected</b>	No	Complies with ABYC E-11	UL1500	UL1500
<b>Regulatory</b>	UL, CSA, CCC, VDE (IEC)	UL, cUL, CSA, CCC, VDE (IEC)	UL, cUL, CCC, VDE (IEC)	UL, cUL, CSA, CCC*, VDE (IEC)
<b>Motor Load Rated</b>	Yes (600, 601)	Yes / OL1	Yes / OL1	Yes

See full datasheet for more detail

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<b>SERIES</b>	SERIES 16	SERIES 16	SERIES 16	SERIES 24
<b>Model</b>	1601, 1681	1600, 1680	1648	2410, 2411, 2420, 2421
<b>Features</b>	Low Amp. Robust design. Push-to-Reset, supplementary protector. Various mounting styles and termination options available. UL1500, Ignition Protected. Qualified for Resistive & Motor applications. Cadmium free contacts.	Mid Amp. Robust Design. Push-to-Reset, supplementary protector. Various mounting styles and termination options available. UL1500 Ignition Protected. Qualified for Resistive & motor applications. Cadmium free contacts.	Hi Amp. Robust Design. Push-to-Reset, supplementary protector. Various mounting styles with #10-32 screw terminals standard. UL1500 Ignition Protected. Cadmium free contacts.	Compact Snap-in, panel mount, 1 & 2 pole, Power "on/off" switch with Trip Free Circuit Protection. Options include actuator markings, illuminations, guards, and a splash protector.
<b>Current Ratings</b>	0.5 - 4.5 Amperes	5 - 35 Amperes	40 - 70 Amperes	0.1 - 30 Amperes
<b>Max Voltage Ratings</b>	250VAC / 50VDC	250VAC / 50VDC (5 - 25A) 250VAC / 32VDC (26 - 35A)	250VAC / 50VDC	250VAC / 50VDC
<b>Calibration @ 25°C (percent of rating)</b>	= < 1A 100% Hold, 145% Trip > 1A 100% Hold, 135% Trip	100% Hold, 135% Trip	100% Hold, 140% Trip	100% Hold, 135% Trip
<b>Interrupt Capacity</b>	Per UL1077 1,000A @ 250VAC / 50VDC 2,000A @ 120VAC MP Performance Certified 3,000A @ 32VDC	Per UL1077 1,000A @ 250VAC / 50VDC 2,000A @ 120VAC MP Performance Certified 3,000A @ 32VDC	Per UL1077 1,000A @ 250VAC / 50VDC 2,000A @ 120VAC MP Performance Certified 3,000A @ 32VDC	Per UL1077 5,000A @ 250VAC 1,000 @ 50VDC
<b>Operating Temp Range</b>				-30°C/-22°F to +60°C/140°F
<b>Termination</b>	Varies by Model	Varies by Model	Screw terminals #10-32 threaded, bent 90°	Combination .110/.250" Quick connect #6-32 UNF (hardware bulk) #8-32 UNF (hardware bulk)
<b>Ingress Protection</b>	IP40 operating area (IP54 with boot) IP00 terminal area	IP40 operating area (IP54 with boot) IP00 terminal area	IP40 operating area (IP54 with boot) IP00 terminal area	IP40 operating area (IP54 with splash protection) IP00 terminal area per IEC 529/DIN 40050
<b>Ignition Protected</b>	UL1500	UL1500	UL1500	UL1500
<b>Regulatory</b>	UL, CSA, CCC, VDE (IEC)	UL, CSA, CCC, VDE (IEC)	55A 32VAC UL CSA CCC 55A 250VAC CCC 55A 250VAC MP Certified 60 - 70A 250VAC / 32VDCMP certified & CCC	UL, CSA, CCC, VDE (IEC)
<b>Motor Load Rated</b>	Yes	Yes	*	Yes

See full datasheet for more detail