



| Series | Series 16 | Series 16 | Series 16 | Series 17 | Series 18 | Series 19 | Series 32 | |
|--|---|--|--|--|--|--|---|----------------|
| Models | 1601, 1611, 1681 | 1600, 1604, 1610, 1680 | 1648 | 171, 174, 175, 176 | 1800, 1801, 1810, 1811 | 19A, 19M | 321, 322, 323 | |
| Features | 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. | 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. | 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. | Hi-Amp, superior dust & waterproof rating, Ignition protected, Type I & Type III circuit breaker. Fit, form & function to traditional offerings, with expanded ratings through 200 Amps. Options include mounting plate to fit competitive 175 - 200A panel cutout stainless hardware, and patent pending TripID™. | Smallest Push-to-Reset breaker available in 3 - 40 Amps. Various mounting and termination options. Ignition Protected. Cadmium Free contacts. | |
| Current Ratings | 0.5 - 4.5 Amperes | 5 - 35 Amperes | 40 - 70 Amperes | 25 - 300 Amperes | 2 - 70 Amperes | 25 - 200 Amperes | 3 - 50 Amperes | |
| Voltage Ratings | 250VAC / 50VDC | 250VAC / 50VDC (5 - 25A) 250VAC / 32VDC (26 - 35A) | 250VAC / 50VDC | 48VDC (25 - 150A) 30VDC (175 - 200A) 14VDC (225 - 300A) | 120VAC / 32VDC | 30VDC | 14VDC (Type I & II) 28VDC (Type III) | |
| Calibration @ 25°C (percent of rating) | <= 1A 100% Hold, 145% Trip > 1A 100% Hold, 135% Trip | 100% Hold, 135% Trip | 100% Hold, 140% Trip | 100% Hold, 135% Trip | 100% Hold, 135% trip (2-40A, Series 1800 & 1801) 110% Hold, 143% Trip (12.5-70A, Series 1810 & 1811) | 100% Hold, 135% Trip | <5A 100% Hold, 150% Trip =>5A 100% Hold, 135% Trip | |
| Overload Trip Time (in seconds @ 25°C) | 200% | 10 - 32 sec | 4 - 15 sec (5-7.5A) 5 - 30 sec (8-35A) | 5 - 30 sec | 10 - 40 sec | 4 - 150 sec (2-40A) 6 - 70 sec (12.5-60A) | 10 - 40 sec | 4 - 40 sec |
| | 500% | 3 - 4.7 sec | 0.5 - 1.8 sec (5-7.5A) 0.5 - 2.8 sec (8-35A) | 0.5 sec - 2.8 sec | 0.4 - 5 sec | 1.2 - 20 sec (2-10A)*** 0.6 - 5 sec (12.5-60A)*** | 0.4 - 5 sec | 0.4 - 2.8 sec |
| | 1000% | 2.3 - 4.2 sec** | 0.16 - 0.66 sec (5-7.5A) 0.15 - 0.78 sec (8-35A) | 0.15 - 0.78 sec | 0.09 - 1.2 sec | 0.3 - 2.5 sec (2-40A) 0.1 - 0.7 sec (12.5-60A) | 0.09 - 1.2 sec | 0.12 - 0.7 sec |
| Short Circuit Interruption | 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 SAE J553, J1625, ABYC-E11 3,000A @ 30VDC, Type I (25-150A) 1,500A @ 30VDC, Type I (175-200A) 2,500A @ 14VDC, Type I (225-300A) 3,000A @ 14VDC, Type III (25-200A) 1,500A @ 48VDC, Type III (25-150A) | Per UL1077 3,000A @ 120VAC / 32VDC (Series 1800, 1801, 1810, 1811) 5,000A @ 32VDC (Series 1810, 1811) | Per SAE J553, J1625, ABYC-E11 2,500A @ 30VDC, Type I (25-200A) 2,500A @ 14VDC, Type I (25-150A) 1,500A @ 28VDC, Type III (25-150A) 2,500A @ 30VDC, Type III (175-200A) | Varies by current and voltage. See datasheet | |
| Regulatory Approvals | UL, CSA, CCC, VDE (IEC) | UL, CSA, CCC, VDE (IEC) | UL, CSA, CCC | ABYC-E11, IP67, Mil-STD-202, SAE J553, J1171, J1625 | UL1500 | ABYC-E11, IP67, IP69K, Mil-STD-202, SAE J553, J1171, J1625 | SAE J553*, J1171* | |
| Motor Load Rated | Yes | Yes | * | N/A | N/A | N/A | N/A | |
| Notes | Vibration: 8g Shock: 30g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH **Results at 600% | Vibration: 8g Shock: 30g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH (applies to Model 1648 also) | 55A 32VAC UL CSA CCC 55A 250VAC CCC 55A 250VAC MP Certified 60 - 70A 250VAC / 32VDCMP certified & CCC (See Model 1600 notes) | Vibration: 10g Shock: 100g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH Ingress Protection: IP67 | Vibration: 10g Shock: 100g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH ***Results at 400% | Vibration: 10g Shock: 100g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH Ingress protection: IP69K | Corrosion: 96hr Salt Spray Humidity: 240hr @ 95% RH | |
| Dimensions (Inches) | | | | | | | | |

For the latest information
www.mechprod.com
 *consult factory
 Specifications subject to change



| Series | Series 07 | Series 07 | Series 24 | Series 02 | Series 12 | Series 14 | Series 15 |
|--|---|--|---|---|--|---|---|
| Models | 752 | 762, 772 | 2410, 2411, 2420, 2421 | 252, 600, 601 | 1221, 1223, 1224, 1227 | 1400, 1430 1450, 1480, 1490 | 1500, 1530, 1560, 1580 |
| Features | Switchable, Trip Free "Double Break" mechanism, with High Interrupt Capacity. The 752 Push-Pull variants are the smallest UL489 listed molded case circuit breakers available. Suitable for Branch Circuit Protection. Cadmium free contacts. | Switchable Trip Free "double Break" operations gives the Models 762 & 772 up to a 5,000 Amp Interrupt Capacity in a small package size. For 5 - 30 Amps, 0.250" quick connect terminals standard. In 30 - 40 Amps, #10-32 screw terminals are standard. 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. Switch only versions are available in 1 pole devices, or in one or both poles of a 2 pole device. | 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. Cadmium free contacts. | Most economical & compact design, cycling trip free, Push-to-Reset supplementary protector offered in a variety of mounting and termination options. | Compact, economical, Push-to-Reset supplementary protector. Various mounting styles and termination options available. UL1500 ignition protected. Qualified for resistive & motor applications. | Smallest Push-to-Reset breaker available in 3 - 40 Amps. Various mounting and termination options. Ignition Protected. Cadmium Free contacts. |
| Current Ratings | 15 - 20 Amperes | Model 762: 5 - 30 Amperes Model 772: 30 - 40 Amperes | 0.1 - 30 Amperes | 5 - 30 Amperes | 3 - 20 Amperes | 3 - 30 Amperes | 3 - 40 Amperes |
| Voltage Ratings | 120VAC | 277VAC (5-9A) 120VAC (10-30A) 277VAC / 32VDC (30-40A) | 250VAC / 50VDC | 120VAC / 277VAC / 32VDC | 120 / 250VAC / 50VDC | 250VAC / 50VDC | 250VAC / 50VDC |
| Calibration @ 25°C (percent of rating) | 100% Hold, 135% Trip | 100% Hold, 135% Trip | 100% Hold, 135% Trip | 100% Hold, 135% Trip | 100% Hold, 150% Trip | 100% Hold, 135% Trip | 100% Hold, 150% Trip (3-4A) 100% Hold, 135% Trip (5-40A) |
| Overload Trip Time (in seconds @ 25°C) | 200% | 5-30 sec | 5-20 sec (5-7A) 5-30 sec (8-40A) | 8-40 sec | 5-20 sec (5-7A) 5-30 sec (8-40A) | 4-40 sec | 5-40 sec (3-4A & 25-40A) 5-30sec (5-20A) |
| | 500% | 0.5-3.3 sec | 0.5 - 1.9 sec (5-7A) 0.5 - 3.3 sec (8-35A) | 1-3 sec | 0.5 - 1.9 sec (5-7A) 0.5 - 3.3 sec (8-35A) | 0.4-2.8 sec | 0.6-3.3 sec (3-40A) |
| | 1000% | 0.15-0.9 sec | 0.17 - 0.53 sec (5-7.5A) 0.15 - 0.9 sec (8-35A) | 0.2-1 sec | 0.17 - 0.53 sec (5-7.5A) 0.15 - 0.9 sec (8-35A) | 0.12-0.7 sec | 0.15-0.9 sec (3-40A) |
| Short Circuit Interruption | Per UL489 5,000A @ 120VAC | Per UL1077 5,000A @ 120VAC | Per UL1077 5,000A @ 250VAC 1,000 @ 50VDC | Per UL489 5,000 @ 120VAC Per UL1077 5,000A @ 277VAC / 32VDC | Per UL1077 1,000A @ 250VAC 1,000A @ 50VDC | Per UL1077 1,000A @ 250VAC / 50VDC 3,000A @ 32VDC | Per UL1077 1,000A @ 250VAC 1,000A @ 50VDC 2,500A @ 32VDC |
| Regulatory Approvals | UL, CSA, CCC, VDE (IEC) | UL, CSA, CCC, VDE (IEC) | UL, CSA, CCC, VDE (IEC) | UL, CSA, CCC, VDE (IEC) | UL, cUL, CSA, CCC, VDE (IEC) | UL, cUL, CCC, VDE (IEC) | UL, cUL, CSA, CCC*, VDE (IEC) |
| Motor Load Rated | N/A | Yes | Yes | Yes (600, 601) | N/A | Yes | Yes |
| Notes | Vibration: 8g Shock: 25g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH | Vibration: 8g Shock: 25g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH | Vibration: 8g Shock: 30g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH UL1500 Ignition Protected | Vibration: 8g Shock: 25g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH | Vibration: 8g Shock: 25g Corrosion: 96hr Salt Spray Humidity: 240hr at 95% RH | Vibration: 8g Shock: 30g Corrosion: 96hr Salt Spray | |
| Dimensions (Inches) | | | | | | | |

For the latest information
www.mechprod.com
 *consult factory
 Specifications subject to change