CIRCUIT BREAKERS

TYCO CIRCUIT BREAKERS

These bi-metallic single pole breakers weigh less than 2oz. and especially suitable for homebuilt aircraft. Used as original equipment in Beech, Cessna and Piper aircraft. Max. operating voltages: 32 VDC & 250 VAC (to 400 Hz). These breakers are non-lighted with white rocker. Pole 1 is switch only, pole 2 is series trip overload sensing. These breakers feature 20 amp max. switch & amber plastic rockers. Recessed reset button has red band around it for visible trip indication. 6-32 screw terminals.

FUSE HOLDERS

These fuseholders are non-indicating, plate mounted. The body is molded black phenolic. Knob grips fuse and pulls it from holder when knob is removed. Spring provides contact pressure on ends of fuse. For use with fuse size 1/4" x 1-1/4" Type HKP. P/N 11-13400........................$1.87

TYCO ROCKER TYPE CIRCUIT BREAKER

W33S2N1Q series breakers are 2 pole rocker actuated. Pole 1 is switch only, pole 2 is series trip overload sensing. These breakers are non-lighted with white rocker. W33S4B1Q series breakers are also 2-pole rocker actuated. Pole 1 is switch only, pole 2 is series trip overload sensing. These breakers feature 20 amp max. switch & amber plastic rockers.

KLIXON 7274-11.75 CIRCUIT BREAKER

Klixon 7274 series are small, lightweight, low amperage devices that are specifically designed to protect aircraft/aerospace cable and components in airborne vehicles and equipment. The commercial grade version of this circuit breaker is the Klixon 7277 series. The 7274 features a trip-free, indicating reset button and is available in standard ratings from 1/2 to 20 amps. They are available in standard ratings from 1/2 to 20 amps.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amps</th>
<th>Part No.</th>
<th>Price</th>
<th>Description</th>
<th>Amps</th>
<th>Part No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7274-11-1</td>
<td>1</td>
<td>11-08364</td>
<td>$17.90</td>
<td>7274-11-5</td>
<td>5</td>
<td>11-08369</td>
<td>$17.90</td>
</tr>
<tr>
<td>7274-11-2</td>
<td>2</td>
<td>11-08366</td>
<td>$17.90</td>
<td>7274-11-15</td>
<td>15</td>
<td>11-08372</td>
<td>$17.90</td>
</tr>
<tr>
<td>7274-11-2.5</td>
<td>2.5</td>
<td>11-08366</td>
<td>$17.90</td>
<td>7274-11-20</td>
<td>20</td>
<td>11-08373</td>
<td>$17.90</td>
</tr>
<tr>
<td>7274-11-3</td>
<td>3</td>
<td>11-08367</td>
<td>$17.90</td>
<td>7274-11-15</td>
<td>15</td>
<td>11-08372</td>
<td>$17.90</td>
</tr>
<tr>
<td>7274-11-4</td>
<td>4</td>
<td>11-08368</td>
<td>$17.70</td>
<td>7274-11-20</td>
<td>20</td>
<td>11-08373</td>
<td>$17.70</td>
</tr>
</tbody>
</table>

KLIXON CIRCUIT BREAKERS

Feature a bi-metallic snap-acting disc as the sensing element. Widely used in production and military aircraft. The most popular models are illustrated. Models PSM and PSM-N are available in amperage ratings: 2, 3, 5, 10, 15, 20, 25, 35. When ordering specify if neck-mounting style is wanted by placing “N” after amperage rating. Example: PSM-10N (P/N 11-04244)..........................$93.75 Ea.

For weatherproof circuit breakers in ratings from 10 to 150 amperes, order Model PDLM. Example: PDLM-50 (P/N 11-04241)..........................$128.75 ea.

60 AMP CIRCUIT BREAKERS FOR ALTERNATORS

These heavy duty 60 AMP circuit breakers are ideal for use with aircraft alternators and other applications using high amperage. 10-32 screw terminals. Size: 1-3/8" x 1/2" w. 60 Amp. P/N 11-02191..........................$100.65

70 AMP CIRCUIT BREAKERS FOR ALTERNATORS

These heavy duty 70 AMP circuit breakers are ideal for use with aircraft alternators and other applications using high amperage. 10-32 screw terminals. 1 3/8” x 1 1/2” W. P/N 11-05652..........................$195.00

ELECTRONIC CIRCUIT BREAKERS

These circuit breakers have no mechanical parts, except for the reset switch. The power switching and control components are completely solid state. They have added benefit of overvoltage and undervoltage protection. Will turn off if the input voltage goes too high, protecting valuable avionics or other equipment. The circuit breakers operate differently than conventional ones in the following ways: If the circuit breaker trips, the switch will remain in the off or on position, but a red LED will illuminate indicating the condition. To reset the circuit breaker, the switch is set to off, then back to on. Removing power from the circuit breaker via a master switch and then restoring power will perform the same function. If a short or overcurrent condition exists at the output, the circuit breaker will continue to trip off after a reset. The electronic circuit breaker is a 3-terminal device. In addition to the usual 2 terminals, a ground reference is required for the electronics to operate and as a reference for the overvoltage & undervoltage protection.

The 14V circuit breakers will shutdown with an overvoltage of 16V & undervoltage of 10V. The 28V will shutdown with an overvoltage of 33V & undervoltage of 20V. Available in 14V & 28V versions, with the following current levels: 1A, 2A, 5A, 10A. Not FAA Approved. For experimental aircraft only.

Model No | Amps | Volts | Part No | Price |
---------|------|-------|---------|-------|
ECB-28-01 | 1    | 28    | 11-01156 | $76.50 |
ECB-28-02 | 2    | 28    | 11-01157 | $76.50 |
ECB-28-10 | 10   | 28    | 11-01158 | $76.50 |
ECB-28-05 | 5    | 28    | 11-08703 | $76.50 |

FUSES

AGC-type fuses are glass-enclosed with a single fuse element. Fast acting to protect sensitive instruments and radios. Fuse dimensions 1/4” dia. x 1-1/4” long.

Part No | Ampere Rating | Price Each |
--------|---------------|------------|
11-03743 | 0.29          | $0.28      |
11-03746 | 0.48          | $0.48      |
11-03749 | 0.48          | $0.48      |
11-03753 | 0.38          | $0.38      |
11-03754 | 0.48          | $0.48      |
11-03760 | 0.48          | $0.48      |

KLIXON CIRCUIT BREAKERS

These heavy duty 70 AMP circuit breakers are ideal for use with aircraft alternators and other applications using high amperage. 10-32 screw terminals. 1 3/8” x 1 1/2” W. P/N 11-05652..........................$195.00

ELECTRONIC CIRCUIT BREAKERS

These circuit breakers have no mechanical parts, except for the reset switch. The power switching and control components are completely solid state. They have added benefit of overvoltage and undervoltage protection. Will turn off if the input voltage goes too high, protecting valuable avionics or other equipment. The circuit breakers operate differently than conventional ones in the following ways: If the circuit breaker trips, the switch will remain in the off or on position, but a red LED will illuminate indicating the condition. To reset the circuit breaker, the switch is set to off, then back to on. Removing power from the circuit breaker via a master switch and then restoring power will perform the same function. If a short or overcurrent condition exists at the output, the circuit breaker will continue to trip off after a reset. The electronic circuit breaker is a 3-terminal device. In addition to the usual 2 terminals, a ground reference is required for the electronics to operate and as a reference for the overvoltage & undervoltage protection.

The 14V circuit breakers will shutdown with an overvoltage of 16V & undervoltage of 10V. The 28V will shutdown with an overvoltage of 33V & undervoltage of 20V. Available in 14V & 28V versions, with the following current levels: 1A, 2A, 5A, 10A. Not FAA Approved. For experimental aircraft only.

Model No | Amps | Volts | Part No | Price |
---------|------|-------|---------|-------|
ECB-28-01 | 1    | 28    | 11-01156 | $76.50 |
ECB-28-02 | 2    | 28    | 11-01157 | $76.50 |
ECB-28-10 | 10   | 28    | 11-01158 | $76.50 |
ECB-28-05 | 5    | 28    | 11-08703 | $76.50 |

FUSES

AGC-type fuses are glass-enclosed with a single fuse element. Fast acting to protect sensitive instruments and radios. Fuse dimensions 1/4” dia. x 1-1/4” long.

Part No | Ampere Rating | Price Each |
--------|---------------|------------|
11-03743 | 0.29          | $0.28      |
11-03746 | 0.48          | $0.48      |
11-03749 | 0.48          | $0.48      |
11-03753 | 0.38          | $0.38      |
11-03754 | 0.48          | $0.48      |
11-03760 | 0.48          | $0.48      |