

# CIRCUIT BREAKERS

## KLIXON 7270 & 7271 CIRCUIT BREAKERS



The Klixon 7270/7271 series circuit breakers were designed to utilize less behind panel space while protecting wire and cable in aircraft and ground support equipment on either 120 VAC, 400 Hz or 30 VDC systems. The units are available with neck mounting (7270-1 and 7271-8) or standard cover plate (7270-7 and 7271-3). In each of these Klixon circuit breakers, the bi-metallic element assures uniform current distribution

throughout its responsive area. This design reduces current density at the critical areas, resulting in an element having a much higher interrupting capability than conventional design. Inherently resistant to shock and vibration, the Klixon disc element is capable of precise calibration settings and will retain the initial calibration within close tolerances throughout the service life of the breaker. Both circuit breakers have conventional actuator action; i.e., the toggle actuator on the 7270 moves to the OFF position for trip indication and the button on the 7271 pops out. A standard black button with a white collar is used.

**FEATURES:** • Trip-free • Snap-acting Thermal Element • Simplicity of Design • Lightweight • High Rupture Capacity - 3500 Amps, 120 VAC, 400 Hz 4000 Amps, 30 VDC • Small Size

Part No.	Price	Part No.	Price	Part No.	Price
7270-1-3	\$154.75	7270-7-10	\$206.95	7271-3-25	\$155.75
7270-1-5	\$154.75	7270-7-15	\$206.95	7271-3-35	\$168.75
7270-1-7.5	\$156.85	7270-7-20	\$206.95	7271-8-3	\$162.75
7270-1-10	\$154.75	7270-7-30	\$206.95	7271-8-5	\$141.75
7270-1-15	\$154.75	7270-7-35	\$206.95	7271-8-7 1/2	\$144.99
7270-1-20	\$154.75	7271-3-3	\$152.75	7271-8-10	\$139.85
7270-1-25	\$154.75	7271-3-5	\$155.85	7271-8-15	\$141.75
7270-1-30	\$154.75	7271-3-7.5	\$152.90	7271-8-20	\$141.75
7270-1-35	\$154.75	7271-3-10	\$206.95	7271-8-25	\$139.85
7270-7-3	\$210.95	7271-3-15	\$155.75	7271-8-30	\$139.85
7270-7-5	\$207.95	7271-3-20	\$155.75	7271-8-35	\$139.85
7270-7-7.5	\$229.95				

The last dash no. in the Part Number is the Amperage rating

## KLIXON 7277 CIRCUIT BREAKERS



The 7277 series circuit breaker is physically and electrically identical to the 7274-2 style circuit breaker, with the exception that the 7277 series has wider calibration limits. Originally developed as an alternative to slow blow fuses, the trip free 7277 is used extensively as primary electrical circuit protection on general aviation aircraft. The wider calibration limits of the 7277 has also resulted in applications including protection for data processing and telecommunications equipment, computers, flight simulators, construction, material handling and other industrial electronic equipment.

**FEATURES:** The 7277 series is designed for applications that do not require the tighter performance characteristics and approvals of our military circuit breakers. • Small size • Light Weight • Inexpensive Auxiliary switch 7277-1 Only Longer Push Buttons 7277-5 Only

Temp. °C	Min Ult	Max Ult	Trip Time - Seconds		
	Trip	Trip	200%	500%	1000%
+25	110%	150%	2-35	.15-1.75	.028-.8

\* Performance characteristics and dimensions are equivalent to 7274 Calibration: 1/2 - 20 amps\*

Part No.	Price	Part No.	Price	Part No.	Price
7277-5-1	\$33.50	7277-1-2	\$34.85	7277-2-2	\$19.95
7277-5-2	\$33.50	7277-1-3	\$34.85	7277-2-2.5	\$19.95
7277-5-3	\$32.75	7277-1-4	\$35.50	7277-2-3	\$19.95
7277-5-4	\$33.50	7277-1-7.5	\$34.85	7277-2-4	\$19.95
7277-5-5	\$33.50	7277-1-10	\$34.85	7277-2-5	\$19.95
7277-5-7.5	\$33.50	7277-1-15	\$34.50	7277-2-7.5	\$19.95
7277-5-10	\$33.50	7277-2-1/2	\$104.95	7277-2-10	\$19.95
7277-5-15	\$33.50	7277-2-3/4	\$19.95	7277-2-15	\$19.95
7277-1-1	\$34.50	7277-2-1	\$19.95	7277-2-20	\$19.95
		7277-2-1.5	\$19.95		

## ELECTRICAL PLUG CONNECTORS



Make your panel a "plug and play" panel with these heavy-duty electrical connectors. The connectors are designed for either panel mount or free hanging. Connectors are available in 4, 6, 9, 12, 18, 24, and 36 pin configurations. Choose the pins and sockets based on wire size. The pins and sockets are top

quality and are gold/nickel plated. The plugs are sold in pairs and include both the plug and the connector.

Connectors	Part No.	Configuration	Price
SPT015/16	11-02147	4 pin	\$8.95
SPT152/153	11-02148	6 pin	\$10.85
SPT039/40	11-07356	9 pin	\$11.75
SPT071/18	11-02149	12 pin	\$11.85
SPT442/43	11-02150	18 pin	\$12.95
SPT019/20	11-07357	36 pin	\$15.90
Pins	Part No.	Wire Gauge Size	Price
SPT103-1	11-02153	24/20	\$1.10
SPT099-1	11-02154	18/16	\$1.20
Sockets	Part No.	Wire Gauge Size	Price
SPT105-1	11-02155	24/20	\$1.45
SPT101-4	11-02156	18/16	\$1.45

**SEAL-ALL CRIMP TOOL** - Crimp tool works with all Seal-All Terminals and seals. Its compact, low-cost parallel jaw design eliminates terminal rocking. P/N 11-06592.....\$37.95

## ALL-ELECTRONIC CIRCUIT BREAKERS



This circuit breaker has no mechanical parts, except for the reset switch. The power switching and control components are completely solid state. It has the added benefit of over-voltage and under-voltage protection. It will turn off if the input voltage foes too high, protecting valuable avionics or other

equipment. **NOT FAA APPROVED. For experimental aircraft only.**

Model No.	Amps	Volt	Part No.	Price
ECB-28-01	1	28	11-01156	\$76.50
ECB-28-02	2	28	11-01157	\$76.50
ECB-28-05	5	28	11-08703	\$76.50

## STATIC DISCHARGERS

**ESD-1 STATIC WICK** - Length: (including mounting base) 7.65 inches. (discharger element) 4.75 inches. Weight: Less than 4.5 grams. Airspeed: To 150 knots. Altitude: To 20,000 feet msl. Temperature: +85°C to -55°C, MIL-STD0202C, Method 102A, Condition D. Solvents: No physical changes after one hour immersion in aviation gasoline, jet fuel or hydraulic fluids. Equivalent to Cessna P/N C592001-0201. Note: This is Non-Certified Version. Fully Qualified to MIL-D-9129D P/N 11-10574..... \$22.95

**EDS-3 STATIC WICK** - Non-Certified. 7.65 inches. Weight: Less than 5.5 grams. Airspeed 300 knots +85°C to -55°C, MIL-STD-202C, Method 102A, Condition D. Tension: 50 pound pull longitudinal from plastic end to metal shank. No physical changes after one hour immersion in aviation gasoline, jet fuel or hydraulic fluids. P/N 11-10681..... \$23.50

**STATIC WICK**  
Comes with 2 holes to rivet to trainline edge and plain wire extension. Eligible For Installation: Beech Baron 58, Cessna 402, Eurocopter: BK117, BK117 C-2 P/N 11-04154 .... \$69.75

**NULL FIELD TRAILING DISCHARGER**  
For general aviation & business class aircraft. FAA/PMA, MIL-9129D. Mounting: (2) #8-32 flat head screws. Length: 10-9/32". Wt: .78 oz. P/N 11-16320..... \$95.75

**MICROPOINT TRAILING DISCHARGER**  
For general aviation aircraft (speeds below 300 mph). Mounting: (2) #4-40 screws, 100% countersunk. Length: 8.75" Weight: 0.17 oz. P/N 11-16630..... \$65.75

**MICROPOINT TRAILING DISCHARGER (FLEXIBLE)**  
For general aviation & business class aircraft. FAA/PMA, MIL-9129D. Mounting: 15401, 15488, 15660-1, or 16195 screw retainer. Length: 7-5/8" Wt: 0.53 oz. P/N 11-16606..... \$67.75

**NULL FIELD TIP DISCHARGER**  
For general aviation & business class aircraft. FAA/PMA, MIL-9129D. Mounting: (2) #8-32 flat head screws. Length: 7-15/32". Wt: 0.53 oz. P/N 11-16325..... \$91.90

**STATIC WICK WITH CARBON POINT**  
1770 Trailing Discharger: Mounting: Fits Chelton Retainer or DG p/n 540095. For Commercial & Business Class Aircraft. FAA PMA, MIL-9129D. Noise Quieting: 40+ db. Length: 7-7/8" Weight: 0.15 oz. P/N 11-11504 ..... \$83.75

