

CIRCUIT BREAKERS Klixon single-phase TC devices are the smallest, lightest high-performance aircraft circuit breakers available today. They represent the state-of-the-art protection of today's aerospace power systems. Their light weight and small size make them especially well-suited for aircraft, avionics, and electronic systems. The Klixon trademark has set the standard for aerospace circuit breakers and the TC series offers the endurance and reliability required by exacting military specifications.

Co-ordination

The 2TC series breaker ratings are coordinated so any rating will trip before another rating twice its capacity in the event of a fault, of up to 6,000 amps let-thru current. This results in improved overall equipment performance since only the smallest faulted circuit is interrupted, while larger circuits remain operational.

Ambient Temperature Compensation

Ambient compensated circuit breakers let designers specify smaller gauge wire where the circuit breaker and wiring are exposed to different ambient temperatures. They are especially suited for application where ambient temperature exceeds the 160°F (71°C) maximum of non-ambient compensated thermal circuit breakers. The TC series may be applied where operating temperatures are as high as 250°F (121°C) with no de-rating of the circuit breaker. This eliminates the need for cooling air and allows substantial weight, space, and cost savings.

Trip-Free

The complete line of TC series circuit breakers is trip-free. The circuit breaker cannot be maintained closed during an overload even with the actuator button held closed.

High Short Circuit Capacity

For its miniature size, the 2TC series offers unusually high current interrupting capacity. Overloads can be safely interrupted without affecting calibration or operating performance in the standard 2TC series for: • Overloads up to 6,000 amps at 28 VDC • Overloads of 2,000-3,500 amps at 120 VAC, 400 Hz

	Amperage	Our Part Number	Brand
	1	2TC2-1	KLIXON
	2	2TC2-2	KLIXON
	2-1/2	2TC2-2-1/2	KLIXON
	3	2TC2-3	KLIXON
	4	2TC2-4	KLIXON
	5	2TC2-5	KLIXON
	7-1/2	2TC2-7.5	KLIXON
	10	2TC2-10	KLIXON
	15	2TC2-15	KLIXON
	20	2TC2-20	KLIXON
	25	2TC2-25	KLIXON

All measurements are Imperial.

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.

For use on trainer / simulator applications where all breakers are operated on low ampere control current, different ampere rating inserts (amp ratings on top of push button) can be ordered.

- **Small size**
- **Lightweight**
- **Inexpensive**
- **Auxiliary switch**
- **Longer push buttons**

	Our Part Number	Brand
	7277-2-1/2	KLIXON
	7277-2-3/4	KLIXON
	7277-2-1	KLIXON
	7277-2-1.5	KLIXON
	7277-2-2	KLIXON
	7277-2-2-1/2	KLIXON
	7277-2-3	KLIXON
	7277-2-4	KLIXON
	7277-2-5	KLIXON
	7277-2-7-1/2	KLIXON
	7277-2-10	KLIXON
	7277-2-15	KLIXON
	7277-2-20	KLIXON

TYCO HIGH AMP CIRCUIT BREAKERS

	These W23 Series bi-metallic single pole breakers weigh less than 2 oz. and are especially suitable for homebuilt aircraft. Used as original equipment in Beech, Cessna and Piper aircraft.
W23	These W23 Series These bi-metallic single pole breakers weigh less than 2 oz. and are especially suitable for homebuilt aircraft. Used as original equipment in Beech, Cessna, and Piper aircraft. Maximum operating voltages: 32 VDC and 250 VAC (to 400 Hz). Toggle Thermal Circuit Breaker
 W31 Series	<ul style="list-style-type: none"> • 0.5 amp to 50-amp ratings may be used as on/off switch. • Cannot be reset against overload. • Screw termination. • Trip-free operation.
 W58 Series	The W58 Series heavy duty 60 AMP circuit breakers are ideal for use with aircraft alternators and other applications using high amperage. 10-32 screw terminals. 1 3/8" D x 1 3/8" H x 1/2" W.