



KLIXON® | 20TC SERIES

Single-Phase, Aircraft Circuit Breaker (Rocker-Type)

FEATURES

- 30VDC or 120VAC, 3 to 35 Amps
- Versatile rocker actuator: snap-on, switch type
- Panel mounting
- Provides dual function (on/off) circuit switching and protection

DESCRIPTION

The Klixon® 20TC series circuit breakers offer the advantages of integrating an on/off switch and a circuit protector in a trim, compact package. The snap-on actuators are available on request in a variety of colors, styles and indication markings designed to provide a stylish console appearance to the panels of light aircraft.

Several different types of actuators are available. The translucent actuator permits quick identification of the actuator position under low ambient lighting conditions by emitting a soft glow from a light source, such as an edge-lighted panel. Colored actuators will be hot letter stamped in white. White and translucent actuators will be stamped in black.

ADDITIONAL OPTIONS

- Various styles and colors (black, white, translucent, colored)

PERFORMANCE CHARACTERISTICS	
Calibration : 200% rated current, 77°F (25°C)	3A to 35A for 10 to 130 seconds
Ultimate Trip at 77°F (25°C)	Must hold : 150% Must trip : 110%
Endurance	5,000 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 28 VDC, 400 Hz inductive 2,500 cycles: 28 VDC, 400 Hz resistive 10,000 cycles: Mechanical, no load
Interrupt Current Capacity	2,000 amps at 30 VDC 1,000 amps at 120 VAC, 400 Hz
Vibration Resistance**	10G minimum, 50 - 500 Hz
Mechanical Shock Resistance	50G
Acceleration	10G
Weight	39 gm max

ROCKER BUTTON OPTIONS

Order Rocker PN = SR12507 - 156 - X

X	Options
1	Push ON / Landing Lights
2	Push ON / Nav Light
3	Push ON / Anti-Cool
4	Push ON / Pilot Heat
5	Push ON / Boost Pump
6	Push ON / Glide Slope
7	Push ON / Marker Beacon
8	Push ON / Strobe Light
9	ON
11	"SR to Invert Marking"
13	Push ON / Rotating Beacon
16	Push ON / Elevator Trim
18	Push ON / Radio Master
19	Push ON / LDG Light
20	ON / OFF
22	"Colored Box"
26	OFF / ON
27	Push ON / Low Boost
28	Push ON / High Boost
29	Push ON / WX Radar
30	Push ON / Prop De-Ice
33	Push ON / Standby Vac
34	No Actuator

MAX VOLTAGE DROP @ NOMINAL RATED CURRENT				CALIBRATION : 1 TO 35 AMPS			
Part Number	***Max Voltage Drop	Part Number	***Max Voltage Drop	TEMP °C	MIN ULT TRIP	MAX ULT TRIP	Trip Time in Seconds
							200%
20TC2-3	0.75	20TC2-15	0.50	+25	110%	150%	10 to 130
20TC2-4	0.75	20TC2-20	0.50				
20TC2-5	0.65	20TC2-25	0.50				
20TC2-7½	0.50	20TC2-30	0.50				
20TC2-10	0.50	20TC2-35	0.50				

*** Maximum voltage drop at 100%, nominal rated current

DIMENSIONAL DRAWINGS - 20TC2

