

CARLINGTECH C-SERIES

- **DISYUNTORES DE PALANCA**
- **DISJONCTEURS A LEVIER**
- **TOGGLE CIRCUIT BREAKERS**

**ELECTRICAL:**

Lists UL Recognized, CSA Accepted configurations and performances capabilities as Protectors, Supplementary for Marine Electrical and Fuel Systems (Guide PEQZ2, File E75596).
Ignition protected per UL1500. UL Classified Small Craft Electrical Devices, marine in accordance with ISO 8846 (Guide UZMK, File MQ1515) as Marine Supplementary Protectors.

C-SERIES UL1500					
VOLTAGE			CURRENT RATING	INTERRUPTING CAPACITY (AMPS)	CONSTRUCTION NOTES
MAX. RATING	FREQUENCY	PHASE	FULL LOAD AMPS	WITHOUT BACKUP FUSE	
32	DC	---	0.02 - 100	5000	---
48	DC	---	0.02 - 100	5000	---
			101 - 150	5000	---
65	DC	---	0.02 - 100	1500	---
80	DC	---	0.02 - 70	1500	---
125	50/60	1	0.02 - 70	5000	---
			71 - 100	1500	---
			0.02 - 100	3000	Per Pole Rating
125/250	50/60	1	0.02 - 100	3500	2 or 3 Poles Breaking Single Phase
250	50/60	1	0.02 - 50	3500	Per Pole Rating
			0.02 - 70	1500	---
			71 - 100	1500	2 or 3 Poles Breaking Single Phase

MECHANICAL:

Endurance 10.000 ON-OFF operations @ 6 per minute; with rated current & voltage.

Trip Free C-Series circuit breakers will trip on overload, even when actuator is forcibly held in the ON position.

Trip Indication The operating actuator moves positively to the OFF position when an overload causes the breaker to trip.

PHYSICAL:

Number of poles 1-6 poles <=50A; 1-4 poles @ 51-70A; 1-2 poles @ 71-100A
UL489 Handle: 1 pole<=100A, 2 poles <= 50A

Internal configuration Series with or without auxiliary switch.

Weight Approx. 112 grams/pole

Housing Black

ENVIRONMENTAL:

Designed and tested in accordance with requirements of specification MIL-STD 202 as follows:

Shock Withstands 100Gs, 6ms sawtooth while carrying rated current per Method 213, Test condition I.

Vibration Instantaneous and ultrashort curves tested @ 90% of rated current. Withstands 0.060" excursion from 10 to 55Hz & 10Gs 55-500Hz, @ rated current per Method 204C, Test condition A.

Moisture Resistance Instantaneous and ultrashort curves tested @ 90% of rated current. Method 106D, i.e., ten 24h cycles @ +25°C to +65°C, 80-98% RH

Salt Spray Method 101, Condition A (90-95%RH @ 5% NaCl solution, 96h)

Thermal Shock Method 107D, Condition A (five cycles @ -55°C to +25°C to +85°C to +25°C).

Operating Temperature -40°C to +85°C