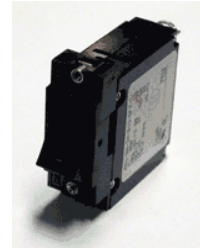


CARLINGTECH A-SERIES

- DISYUNTORES ROCKER
- DISJONCTEURS ROCKER
- ROCKER CIRCUIT BREAKERS

**ELECTRICAL:**

Lists UL Recognized, CSA Accepted configurations and performances capabilities as Protectors, Supplementary for Marine Electrical and Fuel Systems (Guide PEOZ2, 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 - 50	5000	---
65	DC	---	0.02 - 50	3000	---
80	DC	---	0.02 - 30	7500	---
			31 - 50	7500	---
125	50/60	1	0.02 - 30	3000	---
			1 - 50	2000	---
125/250	50/60	1	0.02 - 30	3000	---
250	50/60	1	0.02 - 30	1500	Single Pole Break
			0.02 - 30	3000	Two Pole Break
			31 - 50	3000	---
277	50/60	1	0.02 - 30	5000	---

MECHANICAL:

Endurance 10.000 ON-OFF operations @ 6 per minute; with rated current & voltage.
 Trip Free A-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 1-3 poles <=30A; 1-2 poles @ 31-50A
 Internal configuration Series with or without auxiliary switch.
 Weight Approx. 65 grams/pole
 Housing Black
 Actuator Legend (0 - I)

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



CARLINGTECH M-SERIES

- DISYUNTORES MINI-ROCKER
- DISJONCTEURS MINI-ROCKER
- SNAP-IN CIRCUIT BREAKERS

**ELECTRICAL:**

Lists UL Recognized, CSA Accepted configurations and performances capabilities as a Component Supplementary Protector.

C-SERIES UL1500							
VOLTAGE			CURRENT RATING		SHORT CIRCUIT CAPACITY (AMPS)		POLES BREAKING
MAX. RATING	FREQUENCY	PHASE	FULL LOAD AMPS	GENERAL PURPOSE AMPS	WITH BACKUP FUSE	WITHOUT BACKUP FUSE	
32	DC	---	0.02 - 15	---	---	1000	1
65	DC	---	0.02 - 15	---	---	1000	2
			---	15.1 - 25	---	1000	2
80	DC	---	0.02 - 15	---	---	600	1
			---	15.1 - 30	---	600	1
125	50/60	1	0.02 - 15	---	---	1000	1
			---	15.1 - 30	---	1000	1
			1 - 30	---	---	360	1
250	50/60	1	0.02 - 12	---	---	1000	1
250	50/60	1	0.02 - 15	---	---	1000	2
			---	15.1 - 30	---	1000	2
			1-30	---	---	360	1

MECHANICAL:

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

Trip Free M-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 or 2

Internal configuration Series with or without auxiliary switch.

Weight Approx. 30 grams/pole

Housing Black

Actuator Legend (0 – I)

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 curves tested @ 80% of rated current. Withstands 0.060" excursion from 10 to 55Hz & 10Gs 55-500Hz, @ rated current per Method 204C, Test condition A. Instantaneous curves tested @ 80% of rated current.

Moisture Resistance 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

