



Pacer



Magnetic Breakers

Breakers are an important part of an electrical system. What is a circuit breaker? Breakers are switches that interrupt electrical flow after detecting a fault. They are similar to fuses except they don't need to be replaced every time. Pacer carries several styles of circuit breakers including magnetic, manual and thermal. What is a benefit of using magnetic circuit breakers? Magnetic breakers are not affected by temperature. Where a similar breaker will flip at the detection of heat, a magnetic breaker will continue to operate.



Function

Breakers protect electrical systems for excess electricity

Benefits



Built for Longevity



Repeatable Usage



Panel Mountable



Easy to Install



Long Delay



Trip Free

Pacer is a Proud Member of:



Applications



Commercial Usage



Residential Usage



Industrial Usage



Marine Usage



A

"A" SERIES HYDRAULIC/MAGNETIC CIRCUIT BREAKERS

RATED AMPS	SINGLE POLE P/N	DOUBLE POLE SINGLE THROW P/N	DOUBLE POLE DOUBLE THROW P/N	*TOGGLE COLOR ABBREVIATION
5	EAA1-5	-	-	BK, WH
10	EAA1-10	EAB2-10	EAA2-10	BK, WH
15	EAA1-15	EAB2-15	EAA2-15	BK, WH
20	EAA1-20	EAB2-20	EAA2-20	BK, WH
25	EAA1-25	EAB2-25	EAA2-25	BK, WH
30	EAA1-30	EAB2-30	EAA2-30	BK, WH
40	EAA1-40	EAB2-40	EAA2-40	BK, WH
50	EAA1-50	EAB2-50	EAA2-50	BK, WH

Ordering Information: Combine the part number and the color abbreviation.

* Red (RD) Available upon request.

A

PERCENTAGE OVERLOAD VS. TRIP TIME IN SECONDS AT +25C (VERTICAL MOUNT)



DELAY	100%	135%	150%	200%	400%	600%	800%	1000%
DC 50/60-Hz MEDIUM	NO TRIP	7-130	3-60	1.3-20	.085-3	.02-2	.015-.8	.01-.26

"A" SERIES INTERRUPTING CAPACITY (AMPS)

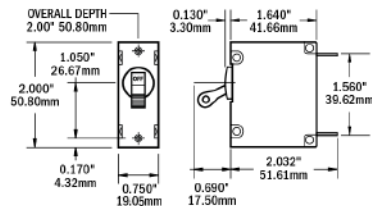
MAX RATING	VOLTAGE FREQUENCY	PHASE	CURRENT RATING FULL LOAD AMPS	INTERRUPTING CAPACITY UL/CSA WITHOUT BACKUP FUSE
80	DC	-	0.02 - 30	3000
65	DC	-	31 - 50	3000
125/250	50/60 Hz	1Ø	0.02 - 30	3000
125/250	50/60 Hz	1Ø	31 - 50	2000

A

SERIES "A" BREAKER ACCESSORIES

PART NUMBER	DESCRIPTION	
EG6-GUARD	Fits all "A" Frame Breakers. Mounts on the surface of the panel with two (2) 6-32 x 3/8" screws, which are included. Protects critical function circuits from being accidentally switched off at the breaker.	
EG-SLIDE	Fits all Double Pole "A" Frame circuit breakers: AC Lockout slides allow only one breaker to be activated at a time. EG-SLIDE uses circuit breaker mounting screw holes, no special modifications required.	

A



EAA1-20WH



EAB2-20WH

C

"C" SERIES HYDRAULIC/MAGNETIC CIRCUIT BREAKERS

RATED AMPS	SINGLE POLE P/N	DOUBLE POLE DOUBLE THROW P/N	TRIPLE POLE TRIPLE THROW P/N
15	ECA1-15BK	-	-
20	ECA1-20BK	-	-
25	ECA1-25BK	-	-
30	ECA1-30BK	ECA2-30BK	-
40	ECA1-40BK	-	-
50	ECA1-50BK	ECA2-50BK	ECA3-50BK
60	ECA1-60BK	ECA2-60BK	-
70	ECA1-70BK	-	-
80	ECA1-80BK	ECA2-80BK	-
90	ECA1-90BK	-	-
100	ECA1-100BK	ECA2-100BK	-

C

PERCENTAGE OVERLOAD VS. TRIP TIME IN SECONDS AT +25C (VERTICAL MOUNT)

DELAY	100%	135%	150%	200%	400%	600%	800%	1000%
DC 50/60-Hz MEDIUM	NO TRIP	6.5-115	3-65	1.2-20	.08-3	.018-2.5	.015-.8	.009-.25

"C" SERIES INTERRUPTING CAPACITY (AMPS)

MAX RATING	VOLTAGE FREQUENCY	PHASE	CURRENT RATING FULL LOAD AMPS	INTERRUPTING CAPACITY UL/CSA WITHOUT BACKUP FUSE
80	DC	-	0.02 - 70	7500
65	DC	-	71 - 100	5000
125/250	50/60 Hz	1Ø	0.02 - 50	3000
125/250	50/60 Hz	1Ø	31 - 50	2000

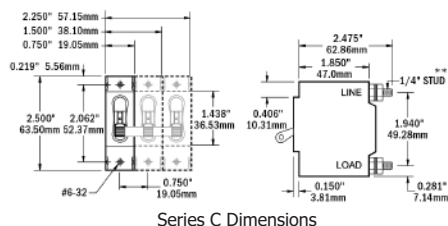
C

SERIES "A" BREAKER ACCESSORIES

PART NUMBER	DESCRIPTION
EL-SLIDE	Fits all Double Pole "C" Frame circuit breakers. AC Lockout slides allow only one breaker to be activated at a time. EL-SLIDE uses circuit breaker mounting screw holes, no special modifications are required.



C



ECA1-50BK



ECA2-80BK

A

SERIES "A" BREAKER - Facts and Details

FEATURES: *Series = trip *"Trip Free" *Magnetic operation as a function of current only *Panel mounted *Power switching *Round cutout 0.50 dia.

TECHNICAL INFORMATION

- **Endurance:** Withstands 10,000 operations at rated voltage and current or withstands 50 operations at 600% AC or 1000% DC at rated voltage and current, in accordance with UL 1077
- **Vibration:** Withstands 10 g without tripping, while carrying full rated current per Mil-Std-202, without tripping, while carrying full rated current per Mil-Std-202, Method 204, cond. A
- **Moisture Resistance:** Meets requirements of Mil-C-55629, tested in accordance with Mil-Std-202, Method 106
- **Shock:** Withstands 100 g or more without tripping, while carrying full rated current per Mil-Std-202, Method 213, cond. 1
- **Salt Spray:** Meets requirements of Mil-C-55629, tested in accordance with Mil-Std-202, Method 101
- **Trip Free:** Trips on overload, cannot be forcibly held on
- **Inrush Pulse Tolerance:** 10 times rated current
- **Oper. Temp:** -40°C to 85°C
- **Series Trip:** Long delay

C

SERIES "C" BREAKER - Facts and Details

FEATURES: *Series = trip *"Trip Free" *Magnetic operation as a function of current only *Panel mounted *Power switching *Rectangular panel cutout

TECHNICAL INFORMATION

- **Endurance:** Per UL 1077 (6000 operations at rated load plus 4000 operations with no load) operations at rated load plus 4000 operations with no load)
Tested at maximum rate of 6 times per minute
- **Vibration:** Withstands 10 g without tripping, while carrying full rated current per Mil-Std-202, method 204
- **Moisture Resistance:** Meets requirements of Mil-C-55629, tested in accordance with Mil-Std-202, Method 106
- **Shock:** Withstands 100 g or more without tripping, while carrying full rated current per Mil-Std-202, Method 213, cond. 1
- **Salt Spray:** Meets requirements of Mil-C-55629, tested in accordance with Mil-Std-202, Method 101
- **Trip Free:** Trips on overload, cannot be forcibly held on
- **Inrush Pulse Tolerance:** 12 times rated current
- **Oper. Temp:** -40°C to 85°C
- **Series Trip:** Long delay

