

Types NEB/HEB Circuit Breakers

EG Frame, Low-tab version for panelboard mounting

Approvals: UL, CSA, IEC, CE Marked

Ratings and Markings

Pole	Current Range (A)	HACR Rated	SWD ① Marked	HID Marked
1, 2, 3	15 – 125	15 – 125A	15 – 20A	15 – 50A

① SWD rating for 1 pole units only.

Shipping Weight:

1.4 lbs. / 0.5 kgs.	1 Pole
2.4 lb. / 0.9 kgs.	2 Poles
3.7 lbs. / 1.4 kgs.	3 Poles

Terminal Connectors

Lug Information

Breaker Amp Rating (A)	Wire Size (AWG)	Torque (lb.-in.)	Connector Material	Connector Kit Catalog No.	
15 – 125	14 – 10 AWG	35	Steel (Cu wire only)	3TW1EG30 (kit of 3)	
	8 AWG	40			
	6 – 4 AWG	45			
	15 – 125	3 – 3/0 AWG	50	Aluminum (Cu/Al wire)	3TA1EG10 (kit of 3)
		14 – 10 AWG	35		
		8 AWG	40		
		6 – 4 AWG	45		
		3 – 1/0 AWG	50		
		6 – 2 AWG	80		
1 – 3/0 AWG	80	Aluminum (Cu/Al wire)	3TA1EG30 (kit of 3)		

60/75° C wire



Interrupting Ratings (max. RMS symmetrical amperes kA)

Breaker Type	Poles	UL489/CSA Volts AC						IEC 60947-2 (Ics = 50% Icu)			
		120	240	277	347	480	600Y/347	125/250	240	415	250
NEB	1	100	85	35	22	—	—	35	85	—	35
	2, 3	—	85	—	—	35	22	35	85	40	35
HEB	1	200	100	65	25	—	—	42	100	—	42
	2, 3	—	100	—	—	65	25	42	100	70	42

40°C, 50/60Hz

Ordering Information

Type EG – 1, 2, and 3 Pole Circuit Breakers

Ampere Rating I _n	NEB Catalog Number Panelboard Mounting	HEB Catalog Number Panelboard Mounting
15	NEB__B015B	HEB__B015B
20	NEB__B020B	HEB__B020B
25	NEB__B025B	HEB__B025B
30	NEB__B030B	HEB__B030B
35	NEB__B035B	HEB__B035B
40	NEB__B040B	HEB__B040B
45	NEB__B045B	HEB__B045B
50	NEB__B050B	HEB__B050B
60	NEB__B060B	HEB__B060B
70	NEB__B070B	HEB__B070B
80	NEB__B080B	HEB__B080B
90	NEB__B090B	HEB__B090B
100	NEB__B0100B	HEB__B100B
110	NEB__B0110B	HEB__B0110B
125	NEB__B0125B	HEB__B0125B

1 = 1 pole
2 = 2 pole
3 = 3 pole

B = Load side lugs ②

1 = 1 pole
2 = 2 pole
3 = 3 pole

B = Load side lugs ②

② "B" Suffix indicates standard terminal lugs TA1EG10 (15 – 100A) and TA1EG30 (110 – 125A) are factory installed on load end.

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Shunt Trip

Control Voltage Range		
AC	DC	Catalog Number
24 – 60	24 – 60	STREM60D
110 – 240	—	STRER240
380 – 600	—	STREV600

Alarm Switch

Description	Catalog Number
Single Alarm Switch 1A – 1B Contacts	ASKE1
Double Alarm Switch 2A – 2B Contacts	ASKE5
Combination Auxiliary Switch & Alarm Switch (1A – 1B each)	ASKE6

Auxiliary Switch

Description	Catalog Number
Single Auxiliary Switch 1A – 1B Contacts	ASKE2
Double Auxiliary Switch 2A – 2B Contacts	ASKE3

Auxiliary/Alarm Switch Ratings

AC	DC
6A at 230VAC	6A at 24VDC
3A at 400VAC	0.5A at 125VDC
0.25A at 600VAC	0.25A at 250VDC

Undervoltage Release

Control Voltage Range		
AC	DC	Catalog Number
24	24	UVREB24AD
48 – 60	—	UVREM60
110 – 127	—	UVREN120
208 – 240	—	UVRER240
380 – 500	—	UVREU480
525 – 600	—	UVREV600
—	48 – 60	UVREC48D
—	110 – 125	UVRED125D
—	220 – 250	UVREE250D

Available Accessory Combinations

Left Accessory Pocket	Right Accessory Pocket	
Shunt Trip or UVR	Auxiliary Switch Contacts	Alarm Contacts
Maximum 1 Shunt Trip or UVR	1A – 1B	0
	2A – 2B	0
	0	1A – 1B
	0	2A – 2B
	1A – 1B	1A – 1B

Shunt Trip, Undervoltage Release, Auxiliary Switches, and Alarm Switches are internal accessories contained within a field installable module for the EG/EB circuit breakers. A Shunt Trip or UVR can only be installed in the left accessory pocket (for 3-pole breakers). The Auxiliary Switches and/or Alarm Switch can only be installed in the right accessory pocket (for 2-pole and 3-pole breakers).

EB Frame Outline Drawing – 1, 2 and 3 Pole

