

# N-Frame 310+ molded-case circuit breaker 320–1200A



## Product description

- The Series G® N-Frame is NEMA®, UL®, and CSA® rated
- Zone selective interlocking and Arcflash Reduction Maintenance System™ can now be enabled on the N-Frame
- The 310+ electronic trip unit eliminates the need for rating plugs and is compatible with the cause of trip display and cause of trip LED
- All N-Frame circuit breakers are suitable for reverse-feed use

**Table 1. Frame Trip Ratings**

Frame	Interrupting Capacity (kAIC)	Ampere Rating
NGS	50	320–800 ①
NGH	65	or 500–1200 ②
NGC	100	
NGU	150	

① 800A frame.

② 1200A frame.



Powering Business Worldwide

**Table 2. NGS, NGH, NGC, and NGU Rating and Ampere Range**

Specification	Description				
	NGS	NGH	NGC	NGU	
Breaker type					
<b>Short-Circuit Current Ratings (kA rms) AC 50–60 Hz</b>					
NEMA UL 489	240 Vac	85	100	200	300
	480 Vac	50	65	100	150
	600 Vac	25	35	50	75
Number of poles	3, 4	3, 4	3, 4	3	
Adjustable long-time pickup CSA 22.2 No. 5	800A	A = 320 E = 600	B = 400 F = 630	C = 450 G = 700	D = 500 H = 800
	1200A	A = 500 E = 800	B = 600 F = 900	C = 630 G = 1000	D = 700 H = 1200
Electronic rms	LS, LSI, LSG, LSIG, ALSI, ALSIG				
Dimensions in inches (mm)	Three-pole	H	W	D	
		16.00 (406.4)	8.25 (209.6)	5.50 (139.7)	
	Four-pole	H	W	D	
		16.00 (406.4)	11.13 (280.0)	5.50 (139.7)	
Weight (approximate) lbs (kg)	Three-pole		Four-pole		
	46.8 (21.3)		62.0 (28.3)		
Current sensor for ground fault	Catalog number	Breaker ampere range			
	<b>NGFCT120</b>	320–1200			

**Table 3. Line and Load Terminals**

Maximum Breaker Amperes	Terminal Body Material	Wire Type	AWG Wire Range/ No. of Conductors	Metric Wire Range (mm <sup>2</sup> )	Catalog Number
<b>Standard Copper/Aluminum Pressure Terminals</b>					
700	Aluminum	Cu/Al	(2) 1–500 kcmil	50–240	<b>TA700NB1</b>
1000	Aluminum	Cu/Al	(3) 3/0–400 kcmil	95–185	<b>TA1000NB1</b> ①
1200	Aluminum	Cu/Al	(4) 4/0–500 kcmil	120–240	<b>TA1200NB1</b> ①
1200	Aluminum	Cu/Al	(3) 500–750 kcmil	300–400	<b>TA1201NB1</b> ②
<b>Optional Copper Pressure Type Terminals</b>					
700	Copper	Cu	(2) 2/0–500 kcmil	70–240	<b>T700NB1</b>
1000	Copper	Cu	(3) 3/0–500 kcmil	95–240	<b>T1000NB1</b>
1200	Copper	Cu	(4) 3/0–400 kcmil	95–185	<b>T1200NB3</b>

① Terminal rating is AL9CU.

② Terminal rating is AL7CU.

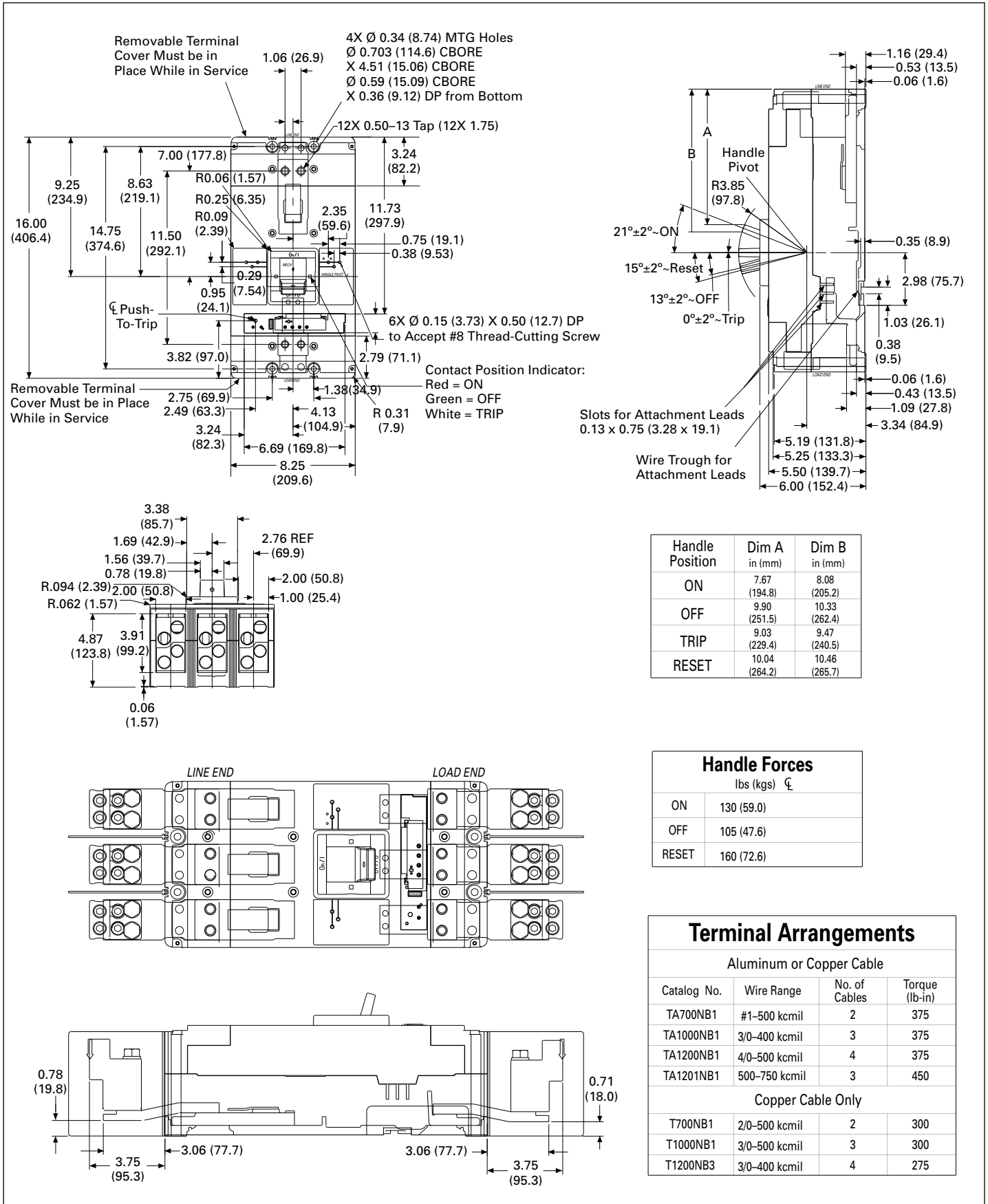


Figure 1. AB DE-ION® Circuit Breaker—NG 310+ Frame

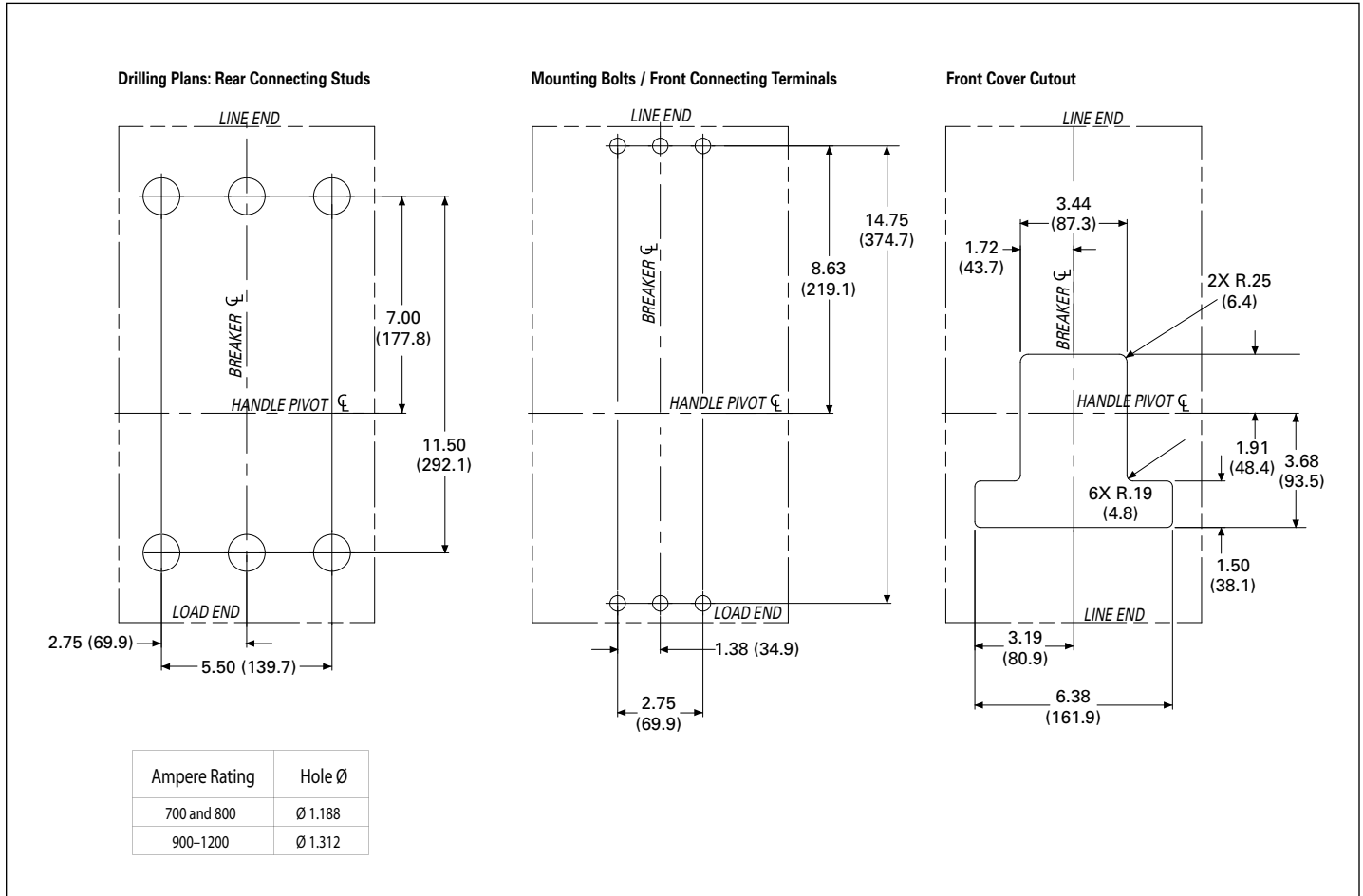


Figure 2. Type NG 310+ Three-Pole Breakers

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Printed in USA  
Publication No. TD03801003E / Z15043  
March 2014