

N-Frame

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N-Frame



Typical N-Frame Circuit Breaker

Product Description

- All N-Frame Circuit Breakers are suitable for reverse feed use.
- All N-Frame circuit breakers are HACR rated.

Technical Data and Specifications

Table 12-123. UL489 Interrupting Capacity Ratings ^①

Circuit Breaker Type	Number of Poles	Interrupting Capacity (Symmetrical Amperes) (kA)				
		Volts AC (50/60 Hz)				
		240	277	480	600	125
ND	2, 3, 4	65	—	50	25	—
CND ^②	2, 3, 4	65	—	50	25	—
HND	2, 3, 4	100	—	65	35	—
CHND ^②	2, 3, 4	100	—	65	35	—
NDC	2, 3, 4	200	—	100	50	—
CNDC ^②	2, 3, 4	200	—	100	50	—

^① Utilization Category A circuit breakers.

^② 100% rated breakers.

Table 12-124. IEC 947-2 Interrupting Capacity Ratings ^③

Circuit Breaker Type	Number of Poles	Interrupting Capacity (Symmetrical Amperes) (kA)		
		Volts AC (50/60 Hz)		
		240	415	690
ND	2, 3, 4	85	50	20
I_{cu}		85	50	10
I_{cs}				
CND ^④	2, 3, 4	85	50	20
I_{cu}		85	50	10
I_{cs}				
HND	2, 3, 4	100	70	25
I_{cu}		100	50	13
I_{cs}				
CHND ^④	2, 3, 4	100	70	25
I_{cu}		100	50	13
I_{cs}				
NDC	2, 3, 4	200	100	35
I_{cu}		100	50	18
I_{cs}				
CNDC ^④	2, 3, 4	200	100	35
I_{cu}		100	50	18
I_{cs}				

^③ Utilization Category A circuit breakers.

^④ 100% rated breakers.

N-Frame

Product Selection

Type ND Electronic Circuit Breakers with Non-interchangeable Trip Units

Order as individual components: Breaker Frame, Rating Plug, Terminals.

Table 12-129. Type ND Electronic Circuit Breakers with Non-interchangeable Trip Units ①

Maximum Continuous Ampere Rating @ 40°C	Digitrip RMS 310 Circuit Breaker Frame Only				Digitrip RMS 310 Rating Plug Only			Standard Terminals Only ② See Page 12-95 for Optional Terminals
	Standard Interrupting Capacity 600V AC Rated 50 kAIC @ 480V AC				Ampere Rating	Fixed Rating Plugs	Adjustable Rating Plug	
	Standard	Options						
	Adjustable Short Time Pickup with I ² t Short Delay Ramp	Independently Adjustable Short Time Pickup and Delay	Adjustable Short Time Pickup with I ² t Short Delay and Ground Fault Protection	Independently Adjustable Short Time Pickup and Delay and Ground Fault Protection				
Catalog Number				Catalog Number				

2-Pole

800	ND2800T33W	ND2800T32W	ND2800T35W	ND2800T36W	400 450 500 600 700 800	8NES400T 8NES450T 8NES500T 8NES600T 8NES700T 8NES800T	Adjustable Settings are: 400, 500, 600, 800 A8NES800T1	TA700NB1 TA700NB1 TA700NB1 TA700NB1 TA700NB1 TA1000NB1
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3-Pole

800	ND3800T33W	ND3800T32W	ND3800T35W	ND3800T36W	400 450 500 600 700 800	8NES400T 8NES450T 8NES500T 8NES600T 8NES700T 8NES800T	Adjustable Settings are: 400, 500, 600, 800 A8NES800T1	TA700NB1 TA700NB1 TA700NB1 TA700NB1 TA700NB1 TA1000NB1
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4-Pole ③

800	ND4800T33W	ND4800T32W	—	—	400 450 500 600 700 800	8NES400T 8NES450T 8NES500T 8NES600T 8NES700T 8NES800T	Adjustable Settings are: 400, 500, 600, 800 A8NES800T1	TA700NB1 TA700NB1 TA700NB1 TA700NB1 TA700NB1 TA1000NB1
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2-Pole

1200	ND212T33W	ND212T32W	ND212T35W	ND212T36W	600 700 800 900 1000 1200	12NES600T 12NES700T 12NES800T 12NES900T 12NES1000T 12NES1200T	Adjustable Settings are: 600, 800, 1000, 1200 A12NES1200T1	TA700NB1 TA700NB1 TA1000NB1 TA1000NB1 TA1000NB1 TA1200NB1
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3-Pole

1200	ND312T33W	ND312T32W	ND312T35W	ND312T36W	600 700 800 900 1000 1200	12NES600T 12NES700T 12NES800T 12NES900T 12NES1000T 12NES1200T	Adjustable Settings are: 600, 800, 1000, 1200 A12NES1200T1	TA700NB1 TA700NB1 TA1000NB1 TA1000NB1 TA1000NB1 TA1200NB1
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4-Pole ③

1200	ND412T33W	ND412T32W	—	—	600 700 800 900 1000 1200	12NES600T 12NES700T 12NES800T 12NES900T 12NES1000T 12NES1200T	Adjustable Settings are: 600, 800, 1000, 1200 A12NES1200T1	TA700NB1 TA700NB1 TA1000NB1 TA1000NB1 TA1000NB1 TA1200NB1
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① See Table 12-130 on Page 12-80 for prices.

② Two terminals are required per pole.

③ Neutral is in right pole.

Note: Instruction Leaflet/FRED Number 29C106

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Dimensions/Weights

Table 12-126. Dimensions in Inches (mm)

Number of Poles	Width	Height	Depth
2, 3	8.25 (210)	16 (407)	5.5 (140)
4	11.125 (283)	16 (407)	5.5 (140)

Table 12-127. Approximate Shipping Weight in Lbs. (Kg)

Breaker Type	Complete Breaker		
	Number of Poles		
	2	3	4
ND, HND, NDC	37 (16.8)	45 (20.4)	58 (26.3)

Product Selection

This information is presented only as an aid to understanding Catalog Numbers. It is not to be used to build Catalog Numbers for circuit breakers or trip units.

Table 12-128. Circuit Breaker/Frame Catalog Numbering System

