

Temperature derating

The table below indicates the maximum current rating, for each connection type, as a function of T_i around the circuit breaker and the busbars.

Circuit breakers with mixed connections have the same derating as horizontally connected breakers.

For T_i greater than 60 °C, consult us.

T_i : temperature around the circuit breaker and its connection.

Version	Drawout					Fixed				
	Front or rear horizontal					Rear vertical				
Temp. T_i	40	45	50	55	60	40	45	50	55	60
NT06 H1/H2/L1	630					630				
NT08 H1/H2/L1	800					800				
NT10 H1/H2/L1	1000					1000				
NT12 H1/H2	1250					1250				
NT16 H1/H2	1600		1520	1480	1430	1600		1560	1510	
NW08 N/H/L	800					800				
NW10 N/H/L	1000					1000				
NW12 N/H/L	1250					1250				
NW16 N/H/L	1600					1600				
NW20 H1/H2/H3	2000			1980	1890	2000			1920	
NW20 L1	2000		1900	1850	1800	2000				
NW25 H1/H2/H3	2500					2500				
NW32 H1/H2/H3	3200		3100	3000	2900	3200				
NW40 H1/H2/H3	4000		3900	3750	3650	4000		3900	3800	
NW40b H1/H2	4000					4000				
NW50 H1/H2	5000					5000				
NW63 H1/H2	–	–	–	–	–	6300				6200

Power dissipation and input / output resistance

Total power dissipation is the value measured at I_N , 50/60 Hz, for a 3 pole or 4 pole breaker (values above the power $P = 3RI^2$).

The resistance between input / output is the value measured per pole (cold state).

Version	Drawout		Fixed	
	Power dissipation (Watts)	Input/output resistance ($\mu\Omega$)	Power dissipation (Watts)	Input/output resistance ($\mu\Omega$)
NT06 H1/H2/L1	55/115 (H1/L1)	38/72	30/45	26/39
NT08 H1/H2/L1	90/140 (H1/L1)	38/72	50/80	26/39
NT10 H1/H2/L1	150/230 (H1/L1)	38/72	80/110	26/39
NT12 H1/H2	250	36	130	26
NT16 H1/H2	460	36	220	26
NW08 N1	137	42	62	19
NW08 H/L	100	30	42	13
NW10 N1	220	42	100	19
NW10 H/L	150	30	70	13
NW12 N1	330	42	150	19
NW12 H/L	230	27	100	13
NW16 N1	480	37	220	19
NW16 H/L	390	27	170	13
NW20 H/L	470	27	250	13
NW25 H1/H2/H3	600	19	260	8
NW32 H1/H2/H3	670	13	420	8
NW40 H1/H2/H3	900	11	650	8
NW40b H1/H2	550	7	390	5
NW50 H1/H2	950	7	660	5
NW63 H1/H2	1200	7	1050	5