

Ratings

Rated insulation voltage (Ui)	: 1000 V for main circuit 500 V for shunt release and under-voltage release (2P, 3P and 4P) 500 V for electric operating mechanism (3P and 4P) 500 V for auxiliary circuit (2P, 3P and 4P)
Rated impulse withstand voltage (Uimp)	: 8 kV for main circuit 2,5 kV for shunt release and under-voltage release (2P, 3P and 4P) 6 kV for electric operating mechanism (3P and 4P) 2,5 kV for auxiliary circuit (2P, 3P and 4P)
Rated current (In)	: 125 A, 160 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (Ith)	: Equal to In
Suitable for photovoltaic (PV) systems	: Suitable
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / back: 0 mm Left / right: 0 mm Up / down: 0 mm
Reference temperature	: 40 °C
Method of mounting	: Fixed
EMC Environment	: A
Tightening torque for terminals	: 11 Nm for M8
Line/load terminal Connection	: Immaterial : copper conductor with cable lug
Inverse time delay release	: For thermal magnetic type for 2P, 3P and 4P: Ir: (0,7 / 0,8 / 0,9 / 1,0) x In For thermal magnetic type for 1P: Ir: 1,0 x In
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 60 s ≤ t ≤ 600 s
Instantaneous release	: Ii (instantaneous tripping setting): For thermal magnetic type for 2P, 3P and 4P: Ii: (5 / 6 / 7 / 8 / 9 / 10) x In for 180 A - 250 A Ii: (7 / 8 / 9 / 10 / 11 / 12) x In for 125 A - 160 A For thermal magnetic type for 1P: Ii: 10 In
Shunt release	: SHT21-M8 for 2P, 3P and 4P: AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 48 V, 110 - 120 V, 220 V
Under-voltage release	: UVT21-M8 for 2P, 3P and 4P: AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 48 V, 110 - 120 V, 220 V
Electric operating mechanism	: MOD21-M8 for 3P and 4P AC: 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 110 V, 220 V
Auxiliary circuits	: AX21-M8 / AL21-M8 for 2P, 3P and 4P 1 NO and 1 NC AC-15: 2 A at 415 Vac, 4 A at 240 Vac, 5 A at 110 Vac DC-13: 0,25 A at 220 Vdc / 110 Vdc Ui: 500 V, Uimp: 2,5 kV Rated conditional short-circuit current: 1 kA Fuse: RL6-25/6, 6 A, 500 Vac, 50 kA, Schneider

Product rating - NM8NDC-250B

Number of poles	: 1P, 2P, 3P and 4P
Rated operational voltage (Ue)	: 1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P, 25 kA at 500 Vdc for 2P, 25 kA at 250 Vdc for 1P
Rated service short-circuit breaking capacity (Ics)	: 25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P, 25 kA at 500 Vdc for 2P, 25 kA at 250 Vdc for 1P

Product rating - NM8NDC-250C

Number of poles	: 1P, 2P, 3P and 4P
Rated operational voltage (Ue)	: 1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P, 36 kA at 500 Vdc for 2P, 36 kA at 250 Vdc for 1P
Rated service short-circuit breaking capacity (Ics)	: 36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P, 36 kA at 500 Vdc for 2P, 36 kA at 250 Vdc for 1P

Product rating - NM8NDC-250S

Number of poles	: 1P, 2P, 3P and 4P
Rated operational voltage (Ue)	: 1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P, 50 kA at 500 Vdc for 2P, 50 kA at 250 Vdc for 1P
Rated service short-circuit breaking capacity (Ics)	: 50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P, 50 kA at 500 Vdc for 2P, 50 kA at 250 Vdc for 1P

Product rating - NM8NDC-250Q

number of poles	: 2P, 3P and 4P
Rated operational voltage (Ue)	: 1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P
rated ultimate short-circuit breaking capacity (Icu)	: 70 kA at 1000 Vdc for 4P, 70 kA at 750 Vdc for 3P, 70 kA at 500 Vdc for 2P
rated service short-circuit breaking capacity (Ics)	: 70 kA at 1000 Vdc for 4P, 70 kA at 750 Vdc for 3P, 70 kA at 500 Vdc for 2P

Product rating - NM8NDC-250H

Number of poles	: 2P, 3P and 4P
Rated operational voltage (Ue)	: 1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA at 1000 Vdc for 4P, 100 kA at 750 Vdc for 3P, 100 kA at 500 Vac for 2P
Rated service short-circuit breaking capacity (Ics)	: 100 kA at 1000 Vdc for 4P, 100 kA at 750 Vdc for 3P, 100 kA at 500 Vac for 2P

Additional information

NM8N DC – 250 B TM 250 4

a b c d e f g

a = model name: 'NM8N'

b = direct current: 'DC'

c = frame size: '250'

d = short-circuit capacity: 'B', 'C', 'S', 'Q' or 'H'

e = trip unit: 'TM' means thermal magnetic type

f = rated current: 125 A, 160 A, 180 A, 200 A, 225 A, 250 A

g = number of poles: '4' means 4P, '3' means 3P, '2' means 2P, '1' means 1P

Accessory type	Model
Auxiliary circuit	AX21-M8 / AL21-M8 (2P, 3P and 4P)
Shunt release	SHT22-M8 (2P, 3P and 4P)
Under-voltage release	UVT22-M8 (2P, 3P and 4P)
Electric operating mechanism	MOD22-M8 (3P and 4P)
Rotation handle	DRH22-M8 (3P and 4P)