

# Noark

EMPOWERING SUSTAINABILITY



## Moulded Case Circuit Breakers

Designed for solar and battery applications.

Noark's **DC Moulded Case Circuit Breakers Ex9MD Thermo-magnetic (TM)** are intended mainly for photo-voltaic applications. Testing according to IEC / EN 60947-2 standards ensures functionalities and reliability for wide variety of applications including isolation.

The MCCB have breaking capacities from 25kA up to extreme 100kA. The high rated impulse-withstand voltage (Uimp) makes them suitable even in systems with occurrences of transient overvoltage waves of high intensity, such as in heavy industry.

### FEATURES

- Thermo-magnetic tripping unit for power distribution.
- Adjustable current ratings:
  - $I_r$  can be set in range  $(0.7 - 1.0) \times I_n$
  - Four user selectable ratings (0.7 = 70%, 0.8 = 80%, 0.9 = 90%, 1.0 = 100% of Nominal)
- Frame sizes M1-M5.
- Rated operating current up to 800A.
- Rated voltage 500VDC (2-pole), 750VDC (3-pole) and 1000VDC (4-pole).

Ex9	MD	3	S	TM	250	4P
Product family	Product series	Frame size	Breaking capacity	Release technology	Rated current	Poles
Ex9	MD: DC MCCB	1: to 160A 2: to 250A 3: to 500A 4: to 630A 5: to 800A	B: 25kA	TM: Thermo Magnetic type for power distribution	M1: 80-160A M2: 125-250A M3: 250-400A M4: 400-630A M5: 630-800A	2P: 2 pole 3P: 3 pole 4P: 4 pole with protected N-pole

### Did you know?

You can set the MCCB to your required current rating:  
0.7 = 70%, 0.8 = 80%, 0.9 = 90%,  
1.0 = 100% of Nominal.



Part number	Description	Current (A)				Range
		100%	90%	80%	70%	
N852894	Ex9MD1B TM DC80 2P 500V DC	80	72	64	56	56 - 80A
N852895	Ex9MD1B TM DC100 2P 500V DC	100	90	80	70	70 - 100A
N852896	Ex9MD1B TM DC125 2P 500V DC	125	113	100	88	88 - 125A
N852899	Ex9MD2B TM DC160 2P 500V DC	160	144	128	112	112 - 160A
N852600	Ex9MD2B TM DC180 2P 500V DC	180	162	144	126	126 - 180A
N852901	Ex9MD2B TM DC200 2P 500V DC	200	180	160	140	140 - 200A
N852902	Ex9MD2B TM DC250 2P 500V DC	250	225	200	175	175 - 250A
N852722	Ex9MD3B TM DC315 3P 750C DC	315	284	252	221	221 - 315A
N852724	Ex9MD3B TM DC400 3P 750V DC	400	360	320	280	280 - 400 A
N852762	Ex9MD4B TM DC500 3P 750C DC	500	450	400	350	350 - 500 A
N852763	Ex9MD4B TM DC630 3P 750V DC	630	567	504	441	441 - 630 A
N852792	Ex9MD5B TM DC700 3P 750C DC	700	630	560	490	490 - 700 A
N852793	Ex9MD5B TM DC800 3P 750V DC	800	720	640	560	560 - 800 A



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