

## DC Circuit Breakers

### 360V and 720V DC Circuit Breakers

Non-polarised

The Ex9BP-N series of miniature circuit breakers from Noark Electric, are non polarised and available in 2 and 4 pole designs.

The 4 pole design is already looped internally, saving time in wiring and minimising errors.

#### DC switching voltage

180V DC per pole

e.g. 4 pole = 720V DC

#### Standards and approvals

- IEC/EN/AS60947-2
- GB14048.2
- SAA101238EA



#### Locking Device

Part No. 86218

#### Electrical Specifications

Rated insulation voltage (V DC)	Ui	1000
Rated impulse voltage (kV)	Uimp	4
Ultimate breaking capacity (kA)	Icu	6
Curve type		K
Tripping type		Thermal magnetic type
Service Life - Mechanical	Actual Value	20000
	Standard Value	8500
Service Life Electrical	Actual Value	10000
	Standard Value	1500
Conductor size (mm <sup>2</sup> )		1~35mm <sup>2</sup>
Temperature (°C)		-20 to +70



Current Rating (A)	Part No.	2 pole 360V DC	Part No.	4 pole 720V DC
10	N84449	10000146	N84475	10000162
16	N84450	10000147	N84476	10000163
20	N84451	10000148	N84477	10000164
25	N84452	10000149	N84478	10000165
32	N84453	10000150	N84479	10000166
40	N84454	10000151	N84480	10000167
50	N84455	10000152	N84481	10000168
63	N84456	10000153	N84482	10000169

## Surge Protection

### Surge Protection Devices

Class II

Surge protective devices, are voltage limiting Class II devices which present high impedance when there is no surge.

If a surge occurs, the impedance will drop rapidly to limit the voltage at its output terminals to the specified range.

#### Approvals

- IEC61643-1.
- EN61643-11.

#### DC Type

Part No.	Remote signalling Part No.	Poles	I <sub>max</sub> (kA)	I <sub>n</sub> (kA)	U <sub>c</sub> (DC V)	Type
108016	108017	1	40	20	600	Ex9UEP 20P 1P 600
108022	108023	3	40	20	1200	Ex9UEP 20P 3P 1200

#### Spare Plug-in Module

Part No.	Suitable for	Type
108024	108016	Ex9UEP 20P 1P 600
108027	108022	Ex9UEP 20P 3P 1200

