

### NS series Moulded Case Circuit Breaker



NS-100 3P



NS-160 3P



NS-630 3P



NS-100-4P

#### APPLICATION

NS series moulded case circuit breaker is one of the most advanced type breakers in the world, which adopt international advanced design and manufacture technology. They are suitable for short circuit and overload protection for circuit of AC 690V 50/60Hz, rated current from 12.5A to 630A. It takes protect effect when mouse cage motors non-frequent start, breaking off working and protecting overload, short circuit and lacking voltage.

#### TRIPPING CHARACTERISTICS OF MCCB

Rated current of release (A)	Thermodynamic release (ambient temp +40 °C)		Operational current of magnetic release (A)
	1.05In (cold state) inoperative time (h)	1.30In (heat state) operative time (h)	
In ≤ 63	≥ 1	< 1	10In ± 20%
63 < In ≤ 100	≥ 2	< 2	10In ± 20%
100 < In ≤ 630	≥ 2	< 2	5-10In ± 20%

Rated current of release (A)	Thermodynamic release (ambient temp +40 °C)				Operational current of magnetic release (A)
	1.0In (cold state) operative time (h)	1.20In (heat state) operative time (h)	1.50In (heat state) operative time (h)	1.01In (heat state) operative time (h)	
12.5 ≤ In ≤ 400	≥ 2	< 2	≤ 4min	2s < Tp ≤ 10s	12In ± 20%

#### MAIN TECHNICAL SPECIFICATIONS

Type	Rated current	Poles (A)	Rated insulating voltage (A)	Rated operating voltage (A)	Arcing over distance (mm)	Ultimate short circuit breaker capacity	Servies short circuit breaker capacity	Operating performance (times)
NS-100D	12.5, 16,					18	18	
NS-100N	20, 25,					25	25	1500 8500
NS-100H	32, 40,					70	70	
NS-100L	50, 63,					150	150	
NS-160D	80, 100					25	25	
NS-160N	16, 20, 25,					36	36	1500 7000
NS-160H	32, 40, 50,					70	70	
NS-160L	63, 80,					150	150	
NS-250D	100, 125,					25	25	
NS-250N	160	3, 4	950	690	0	36	36	1000 7000
NS-250H	160, 180,					70	70	
NS-250L	200, 225,					150	150	
NS-400D	250					35	35	
NS-400N	200, 225					45	45	1000 4000
NS-400H	250, 300					70	70	
NS-400L	315, 400					150	150	
NS-630D						35	35	
NS-630N						45	45	1000 4000
NS-630H						70	70	
NS-630L						150	150	