NB8-125



General

NB8-125 Moulded Case Circuit Breaker is mainly applicable to the general section distribution lines of commercial office buildings, residential buildings and general industrial uses with AC 50/60Hz, rated voltage up to 415V,DC220V and rated current up to 125A.

Function : overload, short circuit, is olation

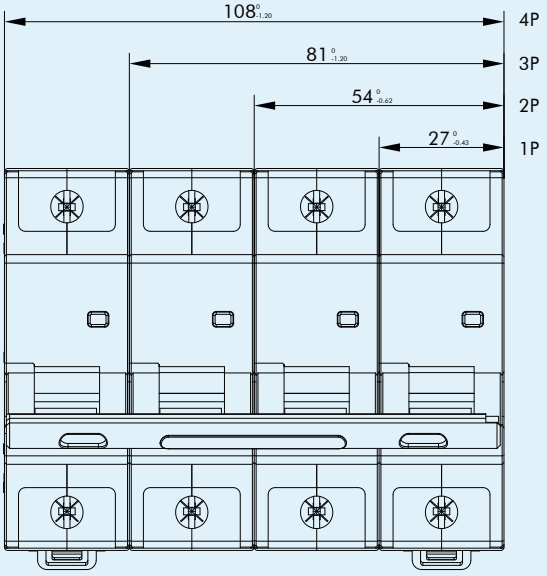
Standards : GB/T14048.2 IEC60947-2

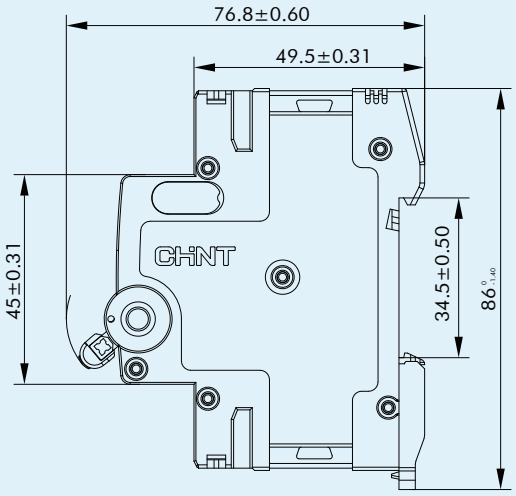
Certificates : CCC、CE、CB、RoHS、REACH

Type designation

N	B	8	-	125	2P	C	100
Company code	MCB	Series code		Frame size (A)	Poles	Tripping curve	Rated current (A)

Overall dimensions



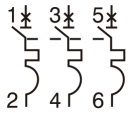
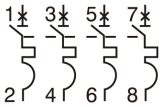
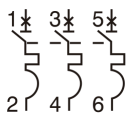
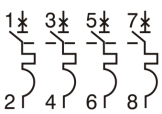


mm

Technical parameter

Series name		NB8-125
Rated current(A)		80,100,125
Rate voltage (V)		AC230/240/DC110(1P), AC400/415/DC220(2P), AC400/415 (3P/4P)
Rated frenquency (Hz)		50/60Hz
Poles		1P、2P、3P、4P
Machnical life(times)		20000
Electrical life(times)		AC: 6000、4000(125A) DC: 5000
Rated breaking capacity (A)		10000
Service breaking capacity (A)		7500
Rated insulation voltage (V)		630
Rated impulse withstand voltage (1.2/50)(kV)		6
Dielectric voltage(V)		(50Hz，1分钟)1890
Damp heat resistant (GB/T2423.4:55℃/90~96%,25℃/95~100%)		28 cycles
Anti vibration (IEC/EN60068-2-6)		Places without obvious vibration and impact
Terminal	Terminal connection type	Cable/Pin-type busbar
	Minimum terminal size (mm^2)	25
	Maximum terminal size (mm^2)	50
	Tighten torque (N·m)	3.5
	Strip length (mm)	14
Reference temperature (℃)		40 or 50
Working temperature		-35~+70
Storage temperature		-35~+85
Altitude		≤2000m
Working principal		Thermal magnetic
Curves	C	■ AC(8In±20%) DC(11In±20%)
	D	■ AC(12In±20%) DC(17In±20%)
Flame retardant grade of shell		V-0
Connection		From top or bottom
Pollution degree		3
Protection degree	Direct mounting	IP20B
	Inside the cabinet	IP40B
Accessories		S9、V9、XF9、XF9J、OVT-1、OUVT-1
Weight(kg)		0.18/per pole

NB8-125	1P	C	80
MCCB Frame	**Poles**	**Curve**	**Current**
NB8-125	1P 2P 3P 4P	C D	80A 100A 125A

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	C	1P	80	10	AC230/240	NB8-125 1P C80A(R)	400551
	C	1P	100	10	AC230/240	NB8-125 1P C100A(R)	400552
	C	1P	125	10	AC230/240	NB8-125 1P C125A(R)	400553
	C	1P	80	10	DC110	NB8-125 1P C80A DC110V(R)	400575
	C	1P	100	10	DC110	NB8-125 1P C100A DC110V(R)	400576
	C	1P	125	10	DC110	NB8-125 1P C125A DC110V(R)	400577
	C	2P	80	10	AC400/415	NB8-125 2P C80A(R)	400557
	C	2P	100	10	AC400/415	NB8-125 2P C100A(R)	400558
	C	2P	125	10	AC400/415	NB8-125 2P C125A(R)	400559
	C	2P	80	10	DC220	NB8-125 2P C80A DC220V(R)	400581
	C	2P	100	10	DC220	NB8-125 2P C100A DC220V(R)	400582
	C	2P	125	10	DC220	NB8-125 2P C125A DC220V(R)	400583
	C	3P	80	10	AC400/415	NB8-125 3P C80A(R)	400563
	C	3P	100	10	AC400/415	NB8-125 3P C100A(R)	400564
	C	3P	125	10	AC400/415	NB8-125 3P C125A(R)	400565
	C	4P	80	10	AC400/415	NB8-125 4P C80A(R)	400569
	C	4P	100	10	AC400/415	NB8-125 4P C100A(R)	400570
	C	4P	125	10	AC400/415	NB8-125 4P C125A(R)	400571
	D	1P	80	10	AC230/240	NB8-125 1P D80A(R)	400554
	D	1P	100	10	AC230/240	NB8-125 1P D100A(R)	400555
	D	1P	125	10	AC230/240	NB8-125 1P D125A(R)	400556
	D	1P	80	10	DC110	NB8-125 1P D80A DC110V(R)	400578
	D	1P	100	10	DC110	NB8-125 1P D100A DC110V(R)	400579
	D	1P	125	10	DC110	NB8-125 1P D125A DC110V(R)	400580
	D	2P	80	10	AC400/415	NB8-125 2P D80A(R)	400560
	D	2P	100	10	AC400/415	NB8-125 2P D100A(R)	400561
	D	2P	125	10	AC400/415	NB8-125 2P D125A(R)	400562
	D	2P	80	10	DC220	NB8-125 2P D80A DC220V(R)	400584
	D	2P	100	10	DC220	NB8-125 2P D100A DC220V(R)	400585
	D	2P	125	10	DC220	NB8-125 2P D125A DC220V(R)	400586
	D	3P	80	10	AC400/415	NB8-125 3P D80A(R)	400566
	D	3P	100	10	AC400/415	NB8-125 3P D100A(R)	400567
	D	3P	125	10	AC400/415	NB8-125 3P D125A(R)	400568
	D	4P	80	10	AC400/415	NB8-125 4P D80A(R)	400572
	D	4P	100	10	AC400/415	NB8-125 4P D100A(R)	400573
	D	4P	125	10	AC400/415	NB8-125 4P D125A(R)	400574