NBG-63 Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE, CB, RoHS

3. Major function

Overload protection, short circuit protection, positive isolation

4. Technical data

Rated current: 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A;
Rated voltage: 220V~/230V~/240V ~ (1P, 1P+N), 380V~/400V~/415V ~ (2 ~ 4P, 3P+N);
Frequency: 50/60Hz;
Thermal magnetic release: B, C, D;
Number of poles: 1P, 1P+N, 2P, 3P, 3P+N, 4P;
Mechanical life: 20000 cycles;
Electrical life: 10000 cycles;
Rated short-circuit breaking capacity(Icn): 6000A;
Short-circuit breaking capacity (Ics): 6000A;
Rated insulation voltage Ui: 500V;
Rated impulse withstand voltage (Uimp): 4kV;
Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

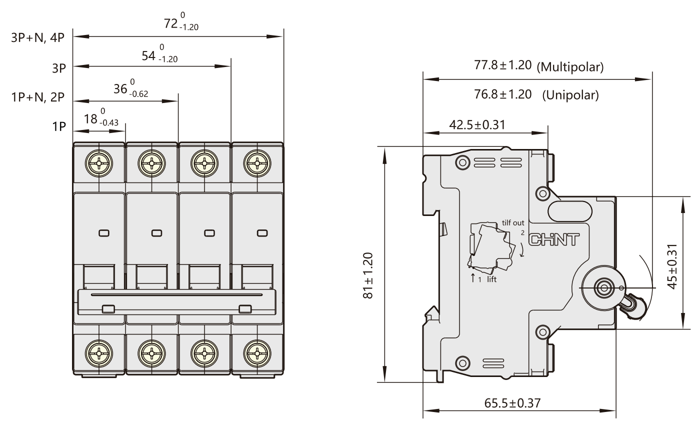
Rated current In (A)	Maximum power consumption per pole (W)
1~10	3
16	3.5
20~25	4.5
32	6
40	7.5
50	9
63	13

Temperature derating see table 2.

Table 2

Ambient temperature(℃) → / Rated current(A) ↓	-35	-20	-10	0	10	20	30	40	50	60	70
1~6	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87	0.82
10~25	1.27	1.24	1.19	1.13	1.07	1.02	1	0.96	0.91	0.87	0.82
32~40	1.27	1.24	1.19	1.13	1.08	1.04	1	0.97	0.92	0.88	0.83
50~63	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87	0.82

5. Dimensions and installation sizes



NBG-63	1P	B	1
Frame	**Poles**	**Curve**	**Current(In)**
NBG-63	1P 1P+N 2P 3P 3P+N 4P	B C D	1A~63A

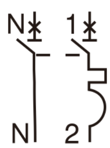
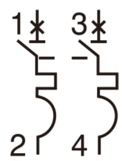
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	B	1P	1	6	AC220/230/240	NBG-63 1P B1	458748
	B	1P	2	6	AC220/230/240	NBG-63 1P B2	458749
	B	1P	3	6	AC220/230/240	NBG-63 1P B3	458750
	B	1P	4	6	AC220/230/240	NBG-63 1P B4	458751
	B	1P	6	6	AC220/230/240	NBG-63 1P B6	458752
	B	1P	10	6	AC220/230/240	NBG-63 1P B10	458753
	B	1P	16	6	AC220/230/240	NBG-63 1P B16	458754
	B	1P	20	6	AC220/230/240	NBG-63 1P B20	458755
	B	1P	25	6	AC220/230/240	NBG-63 1P B25	458756
	B	1P	32	6	AC220/230/240	NBG-63 1P B32	458757
	B	1P	40	6	AC220/230/240	NBG-63 1P B40	458758
	B	1P	50	6	AC220/230/240	NBG-63 1P B50	458759
	B	1P	63	6	AC220/230/240	NBG-63 1P B63	458760
	B	1P+N	1	6	AC220/230/240	NBG-63 1P+N B1	458787
	B	1P+N	2	6	AC220/230/240	NBG-63 1P+N B2	458788
	B	1P+N	3	6	AC220/230/240	NBG-63 1P+N B3	458789
	B	1P+N	4	6	AC220/230/240	NBG-63 1P+N B4	458790
	B	1P+N	6	6	AC220/230/240	NBG-63 1P+N B6	458791
	B	1P+N	10	6	AC220/230/240	NBG-63 1P+N B10	458792
	B	1P+N	16	6	AC220/230/240	NBG-63 1P+N B16	458793
	B	1P+N	20	6	AC220/230/240	NBG-63 1P+N B20	458794
	B	1P+N	25	6	AC220/230/240	NBG-63 1P+N B25	458795
	B	1P+N	32	6	AC220/230/240	NBG-63 1P+N B32	458796
	B	1P+N	40	6	AC220/230/240	NBG-63 1P+N B40	458797
	B	1P+N	50	6	AC220/230/240	NBG-63 1P+N B50	458798
	B	1P+N	63	6	AC220/230/240	NBG-63 1P+N B63	458799
	B	2P	1	6	AC380/400/415	NBG-63 2P B1	458826
	B	2P	2	6	AC380/400/415	NBG-63 2P B2	458827
	B	2P	3	6	AC380/400/415	NBG-63 2P B3	458828
	B	2P	4	6	AC380/400/415	NBG-63 2P B4	458829
	B	2P	6	6	AC380/400/415	NBG-63 2P B6	458830
	B	2P	10	6	AC380/400/415	NBG-63 2P B10	458831
	B	2P	16	6	AC380/400/415	NBG-63 2P B16	458832
	B	2P	20	6	AC380/400/415	NBG-63 2P B20	458833
	B	2P	25	6	AC380/400/415	NBG-63 2P B25	458834
	B	2P	32	6	AC380/400/415	NBG-63 2P B32	458835
	B	2P	40	6	AC380/400/415	NBG-63 2P B40	458836
	B	2P	50	6	AC380/400/415	NBG-63 2P B50	458837
	B	2P	63	6	AC380/400/415	NBG-63 2P B63	458838

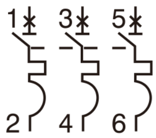
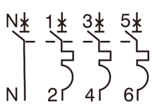
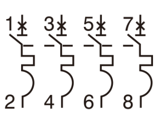
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	B	3P	1	6	AC380/400/415	NBG-63 3P B1	458865
	B	3P	2	6	AC380/400/415	NBG-63 3P B2	458866
	B	3P	3	6	AC380/400/415	NBG-63 3P B3	458867
	B	3P	4	6	AC380/400/415	NBG-63 3P B4	458868
	B	3P	6	6	AC380/400/415	NBG-63 3P B6	458869
	B	3P	10	6	AC380/400/415	NBG-63 3P B10	458870
	B	3P	16	6	AC380/400/415	NBG-63 3P B16	458871
	B	3P	20	6	AC380/400/415	NBG-63 3P B20	458872
	B	3P	25	6	AC380/400/415	NBG-63 3P B25	458873
	B	3P	32	6	AC380/400/415	NBG-63 3P B32	458874
	B	3P	40	6	AC380/400/415	NBG-63 3P B40	458875
	B	3P	50	6	AC380/400/415	NBG-63 3P B50	458876
	B	3P	63	6	AC380/400/415	NBG-63 3P B63	458877
	B	3P+N	1	6	AC380/400/415	NBG-63 3P+N B1	458904
	B	3P+N	2	6	AC380/400/415	NBG-63 3P+N B2	458905
	B	3P+N	3	6	AC380/400/415	NBG-63 3P+N B3	458906
	B	3P+N	4	6	AC380/400/415	NBG-63 3P+N B4	458907
	B	3P+N	6	6	AC380/400/415	NBG-63 3P+N B6	458908
	B	3P+N	10	6	AC380/400/415	NBG-63 3P+N B10	458909
	B	3P+N	16	6	AC380/400/415	NBG-63 3P+N B16	458910
	B	3P+N	20	6	AC380/400/415	NBG-63 3P+N B20	458911
	B	3P+N	25	6	AC380/400/415	NBG-63 3P+N B25	458912
	B	3P+N	32	6	AC380/400/415	NBG-63 3P+N B32	458913
	B	3P+N	40	6	AC380/400/415	NBG-63 3P+N B40	458914
	B	3P+N	50	6	AC380/400/415	NBG-63 3P+N B50	458915
	B	3P+N	63	6	AC380/400/415	NBG-63 3P+N B63	458916
	B	4P	1	6	AC380/400/415	NBG-63 4P B1	458943
	B	4P	2	6	AC380/400/415	NBG-63 4P B2	458944
	B	4P	3	6	AC380/400/415	NBG-63 4P B3	458945
	B	4P	4	6	AC380/400/415	NBG-63 4P B4	458946
	B	4P	6	6	AC380/400/415	NBG-63 4P B6	458947
	B	4P	10	6	AC380/400/415	NBG-63 4P B10	458948
	B	4P	16	6	AC380/400/415	NBG-63 4P B16	458949
	B	4P	20	6	AC380/400/415	NBG-63 4P B20	458950
	B	4P	25	6	AC380/400/415	NBG-63 4P B25	458951
	B	4P	32	6	AC380/400/415	NBG-63 4P B32	458952
	B	4P	40	6	AC380/400/415	NBG-63 4P B40	458953
	B	4P	50	6	AC380/400/415	NBG-63 4P B50	458954
	B	4P	63	6	AC380/400/415	NBG-63 4P B63	458955

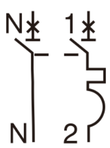
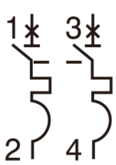
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	C	1P	1	6	AC220/230/240	NBG-63 1P C1	458722
	C	1P	2	6	AC220/230/240	NBG-63 1P C2	458723
	C	1P	3	6	AC220/230/240	NBG-63 1P C3	458724
	C	1P	4	6	AC220/230/240	NBG-63 1P C4	458725
	C	1P	6	6	AC220/230/240	NBG-63 1P C6	458726
	C	1P	10	6	AC220/230/240	NBG-63 1P C10	458727
	C	1P	16	6	AC220/230/240	NBG-63 1P C16	458728
	C	1P	20	6	AC220/230/240	NBG-63 1P C20	458729
	C	1P	25	6	AC220/230/240	NBG-63 1P C25	458730
	C	1P	32	6	AC220/230/240	NBG-63 1P C32	458731
	C	1P	40	6	AC220/230/240	NBG-63 1P C40	458732
	C	1P	50	6	AC220/230/240	NBG-63 1P C50	458733
	C	1P	63	6	AC220/230/240	NBG-63 1P C63	458734
	C	1P+N	1	6	AC220/230/240	NBG-63 1P+N C1	458761
	C	1P+N	2	6	AC220/230/240	NBG-63 1P+N C2	458762
	C	1P+N	3	6	AC220/230/240	NBG-63 1P+N C3	458763
	C	1P+N	4	6	AC220/230/240	NBG-63 1P+N C4	458764
	C	1P+N	6	6	AC220/230/240	NBG-63 1P+N C6	458765
	C	1P+N	10	6	AC220/230/240	NBG-63 1P+N C10	458766
	C	1P+N	16	6	AC220/230/240	NBG-63 1P+N C16	458767
	C	1P+N	20	6	AC220/230/240	NBG-63 1P+N C20	458768
	C	1P+N	25	6	AC220/230/240	NBG-63 1P+N C25	458769
	C	1P+N	32	6	AC220/230/240	NBG-63 1P+N C32	458770
	C	1P+N	40	6	AC220/230/240	NBG-63 1P+N C40	458771
	C	1P+N	50	6	AC220/230/240	NBG-63 1P+N C50	458772
	C	1P+N	63	6	AC220/230/240	NBG-63 1P+N C63	458773
	C	2P	1	6	AC380/400/415	NBG-63 2P C1	458800
	C	2P	2	6	AC380/400/415	NBG-63 2P C2	458801
	C	2P	3	6	AC380/400/415	NBG-63 2P C3	458802
	C	2P	4	6	AC380/400/415	NBG-63 2P C4	458803
	C	2P	6	6	AC380/400/415	NBG-63 2P C6	458804
	C	2P	10	6	AC380/400/415	NBG-63 2P C10	458805
	C	2P	16	6	AC380/400/415	NBG-63 2P C16	458806
	C	2P	20	6	AC380/400/415	NBG-63 2P C20	458807
	C	2P	25	6	AC380/400/415	NBG-63 2P C25	458808
	C	2P	32	6	AC380/400/415	NBG-63 2P C32	458809
	C	2P	40	6	AC380/400/415	NBG-63 2P C40	458810
	C	2P	50	6	AC380/400/415	NBG-63 2P C50	458811
	C	2P	63	6	AC380/400/415	NBG-63 2P C63	458812

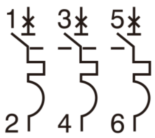
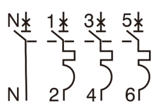
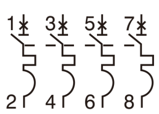
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	C	3P	1	6	AC380/400/415	NBG-63 3P C1	458839
	C	3P	2	6	AC380/400/415	NBG-63 3P C2	458840
	C	3P	3	6	AC380/400/415	NBG-63 3P C3	458841
	C	3P	4	6	AC380/400/415	NBG-63 3P C4	458842
	C	3P	6	6	AC380/400/415	NBG-63 3P C6	458843
	C	3P	10	6	AC380/400/415	NBG-63 3P C10	458844
	C	3P	16	6	AC380/400/415	NBG-63 3P C16	458845
	C	3P	20	6	AC380/400/415	NBG-63 3P C20	458846
	C	3P	25	6	AC380/400/415	NBG-63 3P C25	458847
	C	3P	32	6	AC380/400/415	NBG-63 3P C32	458848
	C	3P	40	6	AC380/400/415	NBG-63 3P C40	458849
	C	3P	50	6	AC380/400/415	NBG-63 3P C50	458850
	C	3P	63	6	AC380/400/415	NBG-63 3P C63	458851
	C	3P+N	1	6	AC380/400/415	NBG-63 3P+N C1	458878
	C	3P+N	2	6	AC380/400/415	NBG-63 3P+N C2	458879
	C	3P+N	3	6	AC380/400/415	NBG-63 3P+N C3	458880
	C	3P+N	4	6	AC380/400/415	NBG-63 3P+N C4	458881
	C	3P+N	6	6	AC380/400/415	NBG-63 3P+N C6	458882
	C	3P+N	10	6	AC380/400/415	NBG-63 3P+N C10	458883
	C	3P+N	16	6	AC380/400/415	NBG-63 3P+N C16	458884
	C	3P+N	20	6	AC380/400/415	NBG-63 3P+N C20	458885
	C	3P+N	25	6	AC380/400/415	NBG-63 3P+N C25	458886
	C	3P+N	32	6	AC380/400/415	NBG-63 3P+N C32	458887
	C	3P+N	40	6	AC380/400/415	NBG-63 3P+N C40	458888
	C	3P+N	50	6	AC380/400/415	NBG-63 3P+N C50	458889
	C	3P+N	63	6	AC380/400/415	NBG-63 3P+N C63	458890
	C	4P	1	6	AC380/400/415	NBG-63 4P C1	458917
	C	4P	2	6	AC380/400/415	NBG-63 4P C2	458918
	C	4P	3	6	AC380/400/415	NBG-63 4P C3	458919
	C	4P	4	6	AC380/400/415	NBG-63 4P C4	458920
	C	4P	6	6	AC380/400/415	NBG-63 4P C6	458921
	C	4P	10	6	AC380/400/415	NBG-63 4P C10	458922
	C	4P	16	6	AC380/400/415	NBG-63 4P C16	458923
	C	4P	20	6	AC380/400/415	NBG-63 4P C20	458924
	C	4P	25	6	AC380/400/415	NBG-63 4P C25	458925
	C	4P	32	6	AC380/400/415	NBG-63 4P C32	458926
	C	4P	40	6	AC380/400/415	NBG-63 4P C40	458927
	C	4P	50	6	AC380/400/415	NBG-63 4P C50	458928
	C	4P	63	6	AC380/400/415	NBG-63 4P C63	458929

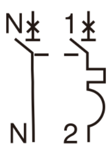
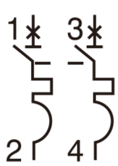
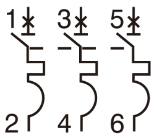
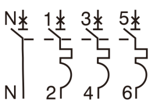
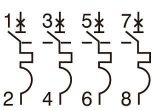
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	D	1P	1	6	AC220/230/240	NBG-63 1P D1	458735
	D	1P	2	6	AC220/230/240	NBG-63 1P D2	458736
	D	1P	3	6	AC220/230/240	NBG-63 1P D3	458737
	D	1P	4	6	AC220/230/240	NBG-63 1P D4	458738
	D	1P	6	6	AC220/230/240	NBG-63 1P D6	458739
	D	1P	10	6	AC220/230/240	NBG-63 1P D10	458740
	D	1P	16	6	AC220/230/240	NBG-63 1P D16	458741
	D	1P	20	6	AC220/230/240	NBG-63 1P D20	458742
	D	1P	25	6	AC220/230/240	NBG-63 1P D25	458743
	D	1P	32	6	AC220/230/240	NBG-63 1P D32	458744
	D	1P	40	6	AC220/230/240	NBG-63 1P D40	458745
	D	1P	50	6	AC220/230/240	NBG-63 1P D50	458746
	D	1P	63	6	AC220/230/240	NBG-63 1P D63	458747
	D	1P+N	1	6	AC220/230/240	NBG-63 1P+N D1	458774
	D	1P+N	2	6	AC220/230/240	NBG-63 1P+N D2	458775
	D	1P+N	3	6	AC220/230/240	NBG-63 1P+N D3	458776
	D	1P+N	4	6	AC220/230/240	NBG-63 1P+N D4	458777
	D	1P+N	6	6	AC220/230/240	NBG-63 1P+N D6	458778
	D	1P+N	10	6	AC220/230/240	NBG-63 1P+N D10	458779
	D	1P+N	16	6	AC220/230/240	NBG-63 1P+N D16	458780
	D	1P+N	20	6	AC220/230/240	NBG-63 1P+N D20	458781
	D	1P+N	25	6	AC220/230/240	NBG-63 1P+N D25	458782
	D	1P+N	32	6	AC220/230/240	NBG-63 1P+N D32	458783
	D	1P+N	40	6	AC220/230/240	NBG-63 1P+N D40	458784
	D	1P+N	50	6	AC220/230/240	NBG-63 1P+N D50	458785
	D	1P+N	63	6	AC220/230/240	NBG-63 1P+N D63	458786
	D	2P	1	6	AC380/400/415	NBG-63 2P D1	458813
	D	2P	2	6	AC380/400/415	NBG-63 2P D2	458814
	D	2P	3	6	AC380/400/415	NBG-63 2P D3	458815
	D	2P	4	6	AC380/400/415	NBG-63 2P D4	458816
	D	2P	6	6	AC380/400/415	NBG-63 2P D6	458817
	D	2P	10	6	AC380/400/415	NBG-63 2P D10	458818
	D	2P	16	6	AC380/400/415	NBG-63 2P D16	458819
	D	2P	20	6	AC380/400/415	NBG-63 2P D20	458820
	D	2P	25	6	AC380/400/415	NBG-63 2P D25	458821
	D	2P	32	6	AC380/400/415	NBG-63 2P D32	458822
	D	2P	40	6	AC380/400/415	NBG-63 2P D40	458823
	D	2P	50	6	AC380/400/415	NBG-63 2P D50	458824
	D	2P	63	6	AC380/400/415	NBG-63 2P D63	458825

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	D	3P	1	6	AC380/400/415	NBG-63 3P D1	458852
	D	3P	2	6	AC380/400/415	NBG-63 3P D2	458853
	D	3P	3	6	AC380/400/415	NBG-63 3P D3	458854
	D	3P	4	6	AC380/400/415	NBG-63 3P D4	458855
	D	3P	6	6	AC380/400/415	NBG-63 3P D6	458856
	D	3P	10	6	AC380/400/415	NBG-63 3P D10	458857
	D	3P	16	6	AC380/400/415	NBG-63 3P D16	458858
	D	3P	20	6	AC380/400/415	NBG-63 3P D20	458859
	D	3P	25	6	AC380/400/415	NBG-63 3P D25	458860
	D	3P	32	6	AC380/400/415	NBG-63 3P D32	458861
	D	3P	40	6	AC380/400/415	NBG-63 3P D40	458862
	D	3P	50	6	AC380/400/415	NBG-63 3P D50	458863
	D	3P	63	6	AC380/400/415	NBG-63 3P D63	458864
	D	3P+N	1	6	AC380/400/415	NBG-63 3P+N D1	458891
	D	3P+N	2	6	AC380/400/415	NBG-63 3P+N D2	458892
	D	3P+N	3	6	AC380/400/415	NBG-63 3P+N D3	458893
	D	3P+N	4	6	AC380/400/415	NBG-63 3P+N D4	458894
	D	3P+N	6	6	AC380/400/415	NBG-63 3P+N D6	458895
	D	3P+N	10	6	AC380/400/415	NBG-63 3P+N D10	458896
	D	3P+N	16	6	AC380/400/415	NBG-63 3P+N D16	458897
	D	3P+N	20	6	AC380/400/415	NBG-63 3P+N D20	458898
	D	3P+N	25	6	AC380/400/415	NBG-63 3P+N D25	458899
	D	3P+N	32	6	AC380/400/415	NBG-63 3P+N D32	458900
	D	3P+N	40	6	AC380/400/415	NBG-63 3P+N D40	458901
	D	3P+N	50	6	AC380/400/415	NBG-63 3P+N D50	458902
	D	3P+N	63	6	AC380/400/415	NBG-63 3P+N D63	458903
	D	4P	1	6	AC380/400/415	NBG-63 4P D1	458930
	D	4P	2	6	AC380/400/415	NBG-63 4P D2	458931
	D	4P	3	6	AC380/400/415	NBG-63 4P D3	458932
	D	4P	4	6	AC380/400/415	NBG-63 4P D4	458933
	D	4P	6	6	AC380/400/415	NBG-63 4P D6	458934
	D	4P	10	6	AC380/400/415	NBG-63 4P D10	458935
	D	4P	16	6	AC380/400/415	NBG-63 4P D16	458936
	D	4P	20	6	AC380/400/415	NBG-63 4P D20	458937
	D	4P	25	6	AC380/400/415	NBG-63 4P D25	458938
	D	4P	32	6	AC380/400/415	NBG-63 4P D32	458939
	D	4P	40	6	AC380/400/415	NBG-63 4P D40	458940
	D	4P	50	6	AC380/400/415	NBG-63 4P D50	458941
	D	4P	63	6	AC380/400/415	NBG-63 4P D63	458942