



NXB-63 Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE, SNI, NOM, EAC, SII, RoHS, REACH, Carbon Footprint

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, 2P), 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,10000A(2P, 220V/230V/240V);

Short-circuit breaking capacity (Ics): 6000A, 7500A(2P, 220V/230V/240V);

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

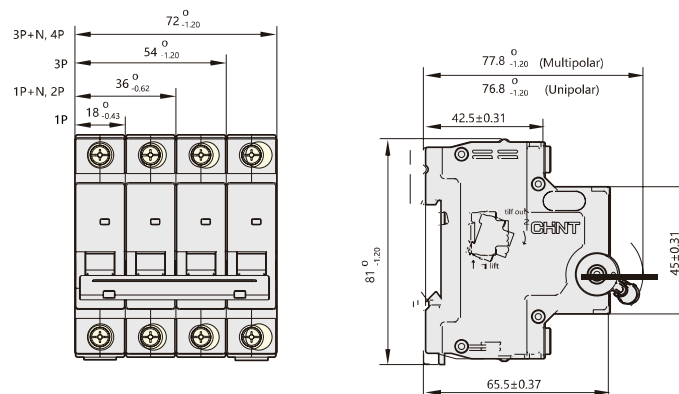
Rated current In (A)	Maximum power consumption per pole (W)
1~10	3
16	3.5
20~25	4.5
32	6
40	7.5
50	9
63	13

Temperature derating see table 2

Table 2

Ambient temperature(°C)	-35	-20	-10	0	10	20	30	40	50	60	70
Rated current(A)											
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



NXB-63		1P	B	1	6kA
↓	↓	↓	↓	↓	↓
Frame	Breaking capacity code	Poles	Curve	Current(In)	Breaking capacity
NXB-63	Blank: 6kA	1P 1P+N 2P 3P+N 4P	B C D	1A~63A	6kA

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	B	1P	1	6	AC220/230/240	NXB-63 1P B1 6kA	814034
	B	1P	2	6	AC220/230/240	NXB-63 1P B2 6kA	814035
	B	1P	3	6	AC220/230/240	NXB-63 1P B3 6kA	814036
	B	1P	4	6	AC220/230/240	NXB-63 1P B4 6kA	814037
	B	1P	6	6	AC220/230/240	NXB-63 1P B6 6kA	814038
	B	1P	10	6	AC220/230/240	NXB-63 1P B10 6kA	814039
	B	1P	16	6	AC220/230/240	NXB-63 1P B16 6kA	814040
	B	1P	20	6	AC220/230/240	NXB-63 1P B20 6kA	814041
	B	1P	25	6	AC220/230/240	NXB-63 1P B25 6kA	814042
	B	1P	32	6	AC220/230/240	NXB-63 1P B32 6kA	814043
	B	1P	40	6	AC220/230/240	NXB-63 1P B40 6kA	814044
	B	1P	50	6	AC220/230/240	NXB-63 1P B50 6kA	814045
	B	1P	63	6	AC220/230/240	NXB-63 1P B63 6kA	814046
	B	1P+N	1	6	AC220/230/240	NXB-63 1P+N B1 6kA N on right	814073
	B	1P+N	2	6	AC220/230/240	NXB-63 1P+N B2 6kA N on right	814074
	B	1P+N	3	6	AC220/230/240	NXB-63 1P+N B3 6kA N on right	814075
	B	1P+N	4	6	AC220/230/240	NXB-63 1P+N B4 6kA N on right	814076
	B	1P+N	6	6	AC220/230/240	NXB-63 1P+N B6 6kA N on right	814077
	B	1P+N	10	6	AC220/230/240	NXB-63 1P+N B10 6kA N on right	814078
	B	1P+N	16	6	AC220/230/240	NXB-63 1P+N B16 6kA N on right	814079
	B	1P+N	20	6	AC220/230/240	NXB-63 1P+N B20 6kA N on right	814080
	B	1P+N	25	6	AC220/230/240	NXB-63 1P+N B25 6kA N on right	814081
	B	1P+N	32	6	AC220/230/240	NXB-63 1P+N B32 6kA N on right	814082
	B	1P+N	40	6	AC220/230/240	NXB-63 1P+N B40 6kA N on right	814083
	B	1P+N	50	6	AC220/230/240	NXB-63 1P+N B50 6kA N on right	814084
	B	1P+N	63	6	AC220/230/240	NXB-63 1P+N B63 6kA N on right	814085

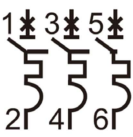
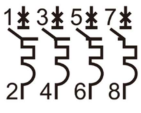
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	B	2P	1	6	AC380/400/415	NXB-63 2P B1 6kA	814112
	B	2P	2	6	AC380/400/415	NXB-63 2P B2 6kA	814113
	B	2P	3	6	AC380/400/415	NXB-63 2P B3 6kA	814114
	B	2P	4	6	AC380/400/415	NXB-63 2P B4 6kA	814115
	B	2P	6	6	AC380/400/415	NXB-63 2P B6 6kA	814116
	B	2P	10	6	AC380/400/415	NXB-63 2P B10 6kA	814117
	B	2P	16	6	AC380/400/415	NXB-63 2P B16 6kA	814118
	B	2P	20	6	AC380/400/415	NXB-63 2P B20 6kA	814119
	B	2P	25	6	AC380/400/415	NXB-63 2P B25 6kA	814120
	B	2P	32	6	AC380/400/415	NXB-63 2P B32 6kA	814121
	B	2P	40	6	AC380/400/415	NXB-63 2P B40 6kA	814122
	B	2P	50	6	AC380/400/415	NXB-63 2P B50 6kA	814123
	B	2P	63	6	AC380/400/415	NXB-63 2P B63 6kA	814124
	B	3P	1	6	AC380/400/415	NXB-63 3P B1 6kA	814190
	B	3P	2	6	AC380/400/415	NXB-63 3P B2 6kA	814191
	B	3P	3	6	AC380/400/415	NXB-63 3P B3 6kA	814192
	B	3P	4	6	AC380/400/415	NXB-63 3P B4 6kA	814193
	B	3P	6	6	AC380/400/415	NXB-63 3P B6 6kA	814194
	B	3P	10	6	AC380/400/415	NXB-63 3P B10 6kA	814195
	B	3P	16	6	AC380/400/415	NXB-63 3P B16 6kA	814196
	B	3P	20	6	AC380/400/415	NXB-63 3P B20 6kA	814197
	B	3P	25	6	AC380/400/415	NXB-63 3P B25 6kA	814198
	B	3P	32	6	AC380/400/415	NXB-63 3P B32 6kA	814199
	B	3P	40	6	AC380/400/415	NXB-63 3P B40 6kA	814200
	B	3P	50	6	AC380/400/415	NXB-63 3P B50 6kA	814201
	B	3P	63	6	AC380/400/415	NXB-63 3P B63 6kA	814202
	B	3P+N	1	6	AC380/400/415	NXB-63 3P+N B1 6kA N on right	814229
	B	3P+N	2	6	AC380/400/415	NXB-63 3P+N B2 6kA N on right	814230
	B	3P+N	3	6	AC380/400/415	NXB-63 3P+N B3 6kA N on right	814231
	B	3P+N	4	6	AC380/400/415	NXB-63 3P+N B4 6kA N on right	814232
	B	3P+N	6	6	AC380/400/415	NXB-63 3P+N B6 6kA N on right	814233
	B	3P+N	10	6	AC380/400/415	NXB-63 3P+N B10 6kA N on right	814234
	B	3P+N	16	6	AC380/400/415	NXB-63 3P+N B16 6kA N on right	814235
	B	3P+N	20	6	AC380/400/415	NXB-63 3P+N B20 6kA N on right	814236
	B	3P+N	25	6	AC380/400/415	NXB-63 3P+N B25 6kA N on right	814237
	B	3P+N	32	6	AC380/400/415	NXB-63 3P+N B32 6kA N on right	814238
	B	3P+N	40	6	AC380/400/415	NXB-63 3P+N B40 6kA N on right	814239
	B	3P+N	50	6	AC380/400/415	NXB-63 3P+N B50 6kA N on right	814240
	B	3P+N	63	6	AC380/400/415	NXB-63 3P+N B63 6kA N on right	814241
	B	4P	1	6	AC380/400/415	NXB-63 4P B1 6kA	814268
	B	4P	2	6	AC380/400/415	NXB-63 4P B2 6kA	814269
	B	4P	3	6	AC380/400/415	NXB-63 4P B3 6kA	814270
	B	4P	4	6	AC380/400/415	NXB-63 4P B4 6kA	814271
	B	4P	6	6	AC380/400/415	NXB-63 4P B6 6kA	814272

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	B	4P	10	6	AC380/400/415	NXB-63 4P B10 6kA	814273
	B	4P	16	6	AC380/400/415	NXB-63 4P B16 6kA	814274
	B	4P	20	6	AC380/400/415	NXB-63 4P B20 6kA	814275
	B	4P	25	6	AC380/400/415	NXB-63 4P B25 6kA	814276
	B	4P	32	6	AC380/400/415	NXB-63 4P B32 6kA	814277
	B	4P	40	6	AC380/400/415	NXB-63 4P B40 6kA	814278
	B	4P	50	6	AC380/400/415	NXB-63 4P B50 6kA	814279
	B	4P	63	6	AC380/400/415	NXB-63 4P B63 6kA	814280
	C	1P	1	6	AC220/230/240	NXB-63 1P C1 6kA	814008
	C	1P	2	6	AC220/230/240	NXB-63 1P C2 6kA	814009
	C	1P	3	6	AC220/230/240	NXB-63 1P C3 6kA	814010
	C	1P	4	6	AC220/230/240	NXB-63 1P C4 6kA	814011
	C	1P	6	6	AC220/230/240	NXB-63 1P C6 6kA	814012
	C	1P	10	6	AC220/230/240	NXB-63 1P C10 6kA	814013
	C	1P	16	6	AC220/230/240	NXB-63 1P C16 6kA	814014
	C	1P	20	6	AC220/230/240	NXB-63 1P C20 6kA	814015
	C	1P	25	6	AC220/230/240	NXB-63 1P C25 6kA	814016
	C	1P	32	6	AC220/230/240	NXB-63 1P C32 6kA	814017
	C	1P	40	6	AC220/230/240	NXB-63 1P C40 6kA	814018
	C	1P	50	6	AC220/230/240	NXB-63 1P C50 6kA	814019
	C	1P	63	6	AC220/230/240	NXB-63 1P C63 6kA	814020
	C	1P+N	1	6	AC220/230/240	NXB-63 1P+N C1 6kA N on right	814047
	C	1P+N	2	6	AC220/230/240	NXB-63 1P+N C2 6kA N on right	814048
	C	1P+N	3	6	AC220/230/240	NXB-63 1P+N C3 6kA N on right	814049
	C	1P+N	4	6	AC220/230/240	NXB-63 1P+N C4 6kA N on right	814050
	C	1P+N	6	6	AC220/230/240	NXB-63 1P+N C6 6kA N on right	814051
	C	1P+N	10	6	AC220/230/240	NXB-63 1P+N C10 6kA N on right	814052
	C	1P+N	16	6	AC220/230/240	NXB-63 1P+N C16 6kA N on right	814053
	C	1P+N	20	6	AC220/230/240	NXB-63 1P+N C20 6kA N on right	814054
	C	1P+N	25	6	AC220/230/240	NXB-63 1P+N C25 6kA N on right	814055
	C	1P+N	32	6	AC220/230/240	NXB-63 1P+N C32 6kA N on right	814056
	C	1P+N	40	6	AC220/230/240	NXB-63 1P+N C40 6kA N on right	814057
	C	1P+N	50	6	AC220/230/240	NXB-63 1P+N C50 6kA N on right	814058
	C	1P+N	63	6	AC220/230/240	NXB-63 1P+N C63 6kA N on right	814059
	C	2P	1	6	AC380/400/415	NXB-63 2P C1 6kA	814086
	C	2P	2	6	AC380/400/415	NXB-63 2P C2 6kA	814087
	C	2P	3	6	AC380/400/415	NXB-63 2P C3 6kA	814088
	C	2P	4	6	AC380/400/415	NXB-63 2P C4 6kA	814089
	C	2P	6	6	AC380/400/415	NXB-63 2P C6 6kA	814090
	C	2P	10	6	AC380/400/415	NXB-63 2P C10 6kA	814091
	C	2P	16	6	AC380/400/415	NXB-63 2P C16 6kA	814092
	C	2P	20	6	AC380/400/415	NXB-63 2P C20 6kA	814093
	C	2P	25	6	AC380/400/415	NXB-63 2P C25 6kA	814094
	C	2P	32	6	AC380/400/415	NXB-63 2P C32 6kA	814095
	C	2P	40	6	AC380/400/415	NXB-63 2P C40 6kA	814096
	C	2P	50	6	AC380/400/415	NXB-63 2P C50 6kA	814097
	C	2P	63	6	AC380/400/415	NXB-63 2P C63 6kA	814098

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	C	3P	1	6	AC380/400/415	NXB-63 3P C1 6kA	814164
	C	3P	2	6	AC380/400/415	NXB-63 3P C2 6kA	814165
	C	3P	3	6	AC380/400/415	NXB-63 3P C3 6kA	814166
	C	3P	4	6	AC380/400/415	NXB-63 3P C4 6kA	814167
	C	3P	6	6	AC380/400/415	NXB-63 3P C6 6kA	814168
	C	3P	10	6	AC380/400/415	NXB-63 3P C10 6kA	814169
	C	3P	16	6	AC380/400/415	NXB-63 3P C16 6kA	814170
	C	3P	20	6	AC380/400/415	NXB-63 3P C20 6kA	814171
	C	3P	25	6	AC380/400/415	NXB-63 3P C25 6kA	814172
	C	3P	32	6	AC380/400/415	NXB-63 3P C32 6kA	814173
	C	3P	40	6	AC380/400/415	NXB-63 3P C40 6kA	814174
	C	3P	50	6	AC380/400/415	NXB-63 3P C50 6kA	814175
	C	3P	63	6	AC380/400/415	NXB-63 3P C63 6kA	814176
	C	3P+N	1	6	AC380/400/415	NXB-63 3P+N C1 6kA N on right	814203
	C	3P+N	2	6	AC380/400/415	NXB-63 3P+N C2 6kA N on right	814204
	C	3P+N	3	6	AC380/400/415	NXB-63 3P+N C3 6kA N on right	814205
	C	3P+N	4	6	AC380/400/415	NXB-63 3P+N C4 6kA N on right	814206
	C	3P+N	6	6	AC380/400/415	NXB-63 3P+N C6 6kA N on right	814207
	C	3P+N	10	6	AC380/400/415	NXB-63 3P+N C10 6kA N on right	814208
	C	3P+N	16	6	AC380/400/415	NXB-63 3P+N C16 6kA N on right	814209
	C	3P+N	20	6	AC380/400/415	NXB-63 3P+N C20 6kA N on right	814210
	C	3P+N	25	6	AC380/400/415	NXB-63 3P+N C25 6kA N on right	814211
	C	3P+N	32	6	AC380/400/415	NXB-63 3P+N C32 6kA N on right	814212
	C	3P+N	40	6	AC380/400/415	NXB-63 3P+N C40 6kA N on right	814213
	C	3P+N	50	6	AC380/400/415	NXB-63 3P+N C50 6kA N on right	814214
	C	3P+N	63	6	AC380/400/415	NXB-63 3P+N C63 6kA N on right	814215
	C	4P	1	6	AC380/400/415	NXB-63 4P C1 6kA	814242
	C	4P	2	6	AC380/400/415	NXB-63 4P C2 6kA	814243
	C	4P	3	6	AC380/400/415	NXB-63 4P C3 6kA	814244
	C	4P	4	6	AC380/400/415	NXB-63 4P C4 6kA	814245
	C	4P	6	6	AC380/400/415	NXB-63 4P C6 6kA	814246
	C	4P	10	6	AC380/400/415	NXB-63 4P C10 6kA	814247
	C	4P	16	6	AC380/400/415	NXB-63 4P C16 6kA	814248
	C	4P	20	6	AC380/400/415	NXB-63 4P C20 6kA	814249
	C	4P	25	6	AC380/400/415	NXB-63 4P C25 6kA	814250
	C	4P	32	6	AC380/400/415	NXB-63 4P C32 6kA	814251
	C	4P	40	6	AC380/400/415	NXB-63 4P C40 6kA	814252
	C	4P	50	6	AC380/400/415	NXB-63 4P C50 6kA	814253
	C	4P	63	6	AC380/400/415	NXB-63 4P C63 6kA	814254

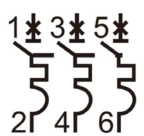
Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	D	1P	1	6	AC220/230/240	NXB-63 1P D1 6kA	814021
	D	1P	2	6	AC220/230/240	NXB-63 1P D2 6kA	814022
	D	1P	3	6	AC220/230/240	NXB-63 1P D3 6kA	814023
	D	1P	4	6	AC220/230/240	NXB-63 1P D4 6kA	814024
	D	1P	6	6	AC220/230/240	NXB-63 1P D6 6kA	814025
	D	1P	10	6	AC220/230/240	NXB-63 1P D10 6kA	814026
	D	1P	16	6	AC220/230/240	NXB-63 1P D16 6kA	814027
	D	1P	20	6	AC220/230/240	NXB-63 1P D20 6kA	814028
	D	1P	25	6	AC220/230/240	NXB-63 1P D25 6kA	814029
	D	1P	32	6	AC220/230/240	NXB-63 1P D32 6kA	814030
	D	1P	40	6	AC220/230/240	NXB-63 1P D40 6kA	814031
	D	1P	50	6	AC220/230/240	NXB-63 1P D50 6kA	814032
	D	1P	63	6	AC220/230/240	NXB-63 1P D63 6kA	814033
	D	1P+N	1	6	AC220/230/240	NXB-63 1P+N D1 6kA N on right	814060
	D	1P+N	2	6	AC220/230/240	NXB-63 1P+N D2 6kA N on right	814061
	D	1P+N	3	6	AC220/230/240	NXB-63 1P+N D3 6kA N on right	814062
	D	1P+N	4	6	AC220/230/240	NXB-63 1P+N D4 6kA N on right	814063
	D	1P+N	6	6	AC220/230/240	NXB-63 1P+N D6 6kA N on right	814064
	D	1P+N	10	6	AC220/230/240	NXB-63 1P+N D10 6kA N on right	814065
	D	1P+N	16	6	AC220/230/240	NXB-63 1P+N D16 6kA N on right	814066
	D	1P+N	20	6	AC220/230/240	NXB-63 1P+N D20 6kA N on right	814067
	D	1P+N	25	6	AC220/230/240	NXB-63 1P+N D25 6kA N on right	814068
	D	1P+N	32	6	AC220/230/240	NXB-63 1P+N D32 6kA N on right	814069
	D	1P+N	40	6	AC220/230/240	NXB-63 1P+N D40 6kA N on right	814070
	D	1P+N	50	6	AC220/230/240	NXB-63 1P+N D50 6kA N on right	814071
	D	1P+N	63	6	AC220/230/240	NXB-63 1P+N D63 6kA N on right	814072
	D	2P	1	6	AC380/400/415	NXB-63 2P D1 6kA	814099
	D	2P	2	6	AC380/400/415	NXB-63 2P D2 6kA	814100
	D	2P	3	6	AC380/400/415	NXB-63 2P D3 6kA	814101
	D	2P	4	6	AC380/400/415	NXB-63 2P D4 6kA	814102
	D	2P	6	6	AC380/400/415	NXB-63 2P D6 6kA	814103
	D	2P	10	6	AC380/400/415	NXB-63 2P D10 6kA	814104
	D	2P	16	6	AC380/400/415	NXB-63 2P D16 6kA	814105
	D	2P	20	6	AC380/400/415	NXB-63 2P D20 6kA	814106
	D	2P	25	6	AC380/400/415	NXB-63 2P D25 6kA	814107
	D	2P	32	6	AC380/400/415	NXB-63 2P D32 6kA	814108
	D	2P	40	6	AC380/400/415	NXB-63 2P D40 6kA	814109
	D	2P	50	6	AC380/400/415	NXB-63 2P D50 6kA	814110
	D	2P	63	6	AC380/400/415	NXB-63 2P D63 6kA	814111
	D	3P	1	6	AC380/400/415	NXB-63 3P D1 6kA	814177
	D	3P	2	6	AC380/400/415	NXB-63 3P D2 6kA	814178
	D	3P	3	6	AC380/400/415	NXB-63 3P D3 6kA	814179
	D	3P	4	6	AC380/400/415	NXB-63 3P D4 6kA	814180
	D	3P	6	6	AC380/400/415	NXB-63 3P D6 6kA	814181
	D	3P	10	6	AC380/400/415	NXB-63 3P D10 6kA	814182
	D	3P	16	6	AC380/400/415	NXB-63 3P D16 6kA	814183

Diagram	Curve	Poles	In(A)	Icu(kA)	Ue(V)	Description	Code
	D	3P	20	6	AC380/400/415	NXB-63 3P D20 6kA	814184
	D	3P	25	6	AC380/400/415	NXB-63 3P D25 6kA	814185
	D	3P	32	6	AC380/400/415	NXB-63 3P D32 6kA	814186
	D	3P	40	6	AC380/400/415	NXB-63 3P D40 6kA	814187
	D	3P	50	6	AC380/400/415	NXB-63 3P D50 6kA	814188
	D	3P	63	6	AC380/400/415	NXB-63 3P D63 6kA	814189
	D	3P+N	1	6	AC380/400/415	NXB-63 3P+N D1 6kA N on right	814216
	D	3P+N	2	6	AC380/400/415	NXB-63 3P+N D2 6kA N on right	814217
	D	3P+N	3	6	AC380/400/415	NXB-63 3P+N D3 6kA N on right	814218
	D	3P+N	4	6	AC380/400/415	NXB-63 3P+N D4 6kA N on right	814219
	D	3P+N	6	6	AC380/400/415	NXB-63 3P+N D6 6kA N on right	814220
	D	3P+N	10	6	AC380/400/415	NXB-63 3P+N D10 6kA N on right	814221
	D	3P+N	16	6	AC380/400/415	NXB-63 3P+N D16 6kA N on right	814222
	D	3P+N	20	6	AC380/400/415	NXB-63 3P+N D20 6kA N on right	814223
	D	3P+N	25	6	AC380/400/415	NXB-63 3P+N D25 6kA N on right	814224
	D	3P+N	32	6	AC380/400/415	NXB-63 3P+N D32 6kA N on right	814225
	D	3P+N	40	6	AC380/400/415	NXB-63 3P+N D40 6kA N on right	814226
	D	3P+N	50	6	AC380/400/415	NXB-63 3P+N D50 6kA N on right	814227
	D	3P+N	63	6	AC380/400/415	NXB-63 3P+N D63 6kA N on right	814228
	D	4P	1	6	AC380/400/415	NXB-63 4P D1 6kA	814255
	D	4P	2	6	AC380/400/415	NXB-63 4P D2 6kA	814256
	D	4P	3	6	AC380/400/415	NXB-63 4P D3 6kA	814257
	D	4P	4	6	AC380/400/415	NXB-63 4P D4 6kA	814258
	D	4P	6	6	AC380/400/415	NXB-63 4P D6 6kA	814259
	D	4P	10	6	AC380/400/415	NXB-63 4P D10 6kA	814260
	D	4P	16	6	AC380/400/415	NXB-63 4P D16 6kA	814261
	D	4P	20	6	AC380/400/415	NXB-63 4P D20 6kA	814262
	D	4P	25	6	AC380/400/415	NXB-63 4P D25 6kA	814263
	D	4P	32	6	AC380/400/415	NXB-63 4P D32 6kA	814264
	D	4P	40	6	AC380/400/415	NXB-63 4P D40 6kA	814265
	D	4P	50	6	AC380/400/415	NXB-63 4P D50 6kA	814266
	D	4P	63	6	AC380/400/415	NXB-63 4P D63 6kA	814267