

Miniature Circuit Breaker

SGB

IEC/EN 60898-1 6000



Applications



Approval / Marking



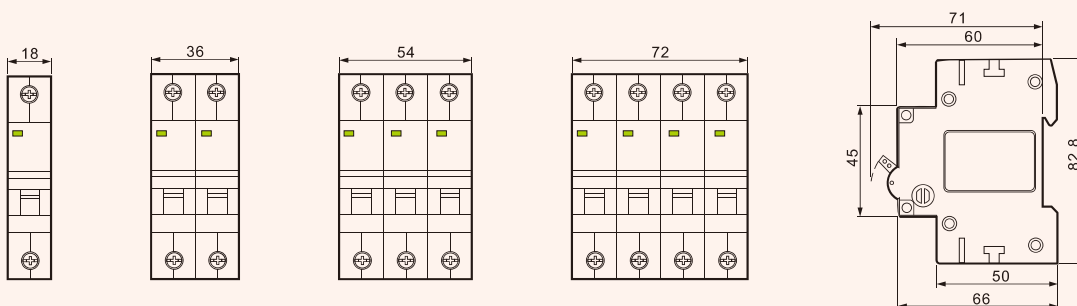
Function and Feature

- Protection against both overload and short circuit, function of isolation
- High short circuit capacity
- Contact position indication
- Pin/fork type busbar terminal connection
- 35mm DIN rail mounting and screw mounting
- Handle can booe locked with pad-lock to prevent unwanted operation for safety.
- Full range accessories are available
- Add-on Auto Reset Motor Devices are available

Technical Data

- Rated current(I_n):1,2,3,4,6,10,13,16,20,25,32,40,45,50,63A
- Rate voltage(Un):230/240VAC,400/415VAC
- Breaking capacity(I_{cn} = I_{cs}):6kA
- Rated frequency:50/60Hz
- Tripping characteristics:B,C,D
- Number of poles:1P,2P,3P,4P,1P+N,3P+N
- Rated impulse withoostand voltage(U_{imp}):4kV
- Electrical endurance:4000 cycles
- Mechanical endurance:20000 cycles
- Terminal:pillar type
- Cable termination:25mm²
- Torque of screw:2.5Nm
- IP degree:IP20
- Standards:IEC/EN 60898-1

Dimensions(mm)



Catalog No.
CTN Size: 46.5* 24* 17.5cm

1P


In(A)	B(3-5In)	C(5-10In)	D(10-20In)	QTY/Box	QTY/CTN
	Model No.	Model No.	Model No.	PCS	PCS
1A	SGB 1P B1	SGB 1P C1	SGB 1P D1	12	120
2A	SGB 1P B2	SGB 1P C2	SGB 1P D2	12	120
3A	SGB 1P B3	SGB 1P C3	SGB 1P D3	12	120
4A	SGB 1P B4	SGB 1P C4	SGB 1P D4	12	120
6A	SGB 1P B6	SGB 1P C6	SGB 1P D6	12	120
10A	SGB 1P B10	SGB 1P C10	SGB 1P D10	12	120
13A	SGB 1P B13	SGB 1P C13	SGB 1P D13	12	120
16A	SGB 1P B16	SGB 1P C16	SGB 1P D16	12	120
20A	SGB 1P B20	SGB 1P C20	SGB 1P D20	12	120
25A	SGB 1P B25	SGB 1P C25	SGB 1P D25	12	120
32A	SGB 1P B32	SGB 1P C32	SGB 1P D32	12	120
40A	SGB 1P B40	SGB 1P C40	SGB 1P D40	12	120
45A	SGB 1P B45	SGB 1P C45	SGB 1P D45	12	120
50A	SGB 1P B50	SGB 1P C50	SGB 1P D50	12	120
63A	SGB 1P B63	SGB 1P C63	SGB 1P D63	12	120


1P+N


1A	SGB 1P+N B1	SGB 1P+N C1	SGB 1P+N D1	6	60
2A	SGB 1P+N B2	SGB 1P+N C2	SGB 1P+N D2	6	60
3A	SGB 1P+N B3	SGB 1P+N C3	SGB 1P+N D3	6	60
4A	SGB 1P+N B4	SGB 1P+N C4	SGB 1P+N D4	6	60
6A	SGB 1P+N B6	SGB 1P+N C6	SGB 1P+N D6	6	60
10A	SGB 1P+N B10	SGB 1P+N C10	SGB 1P+N D10	6	60
16A	SGB 1P+N B16	SGB 1P+N C16	SGB 1P+N D16	6	60
20A	SGB 1P+N B20	SGB 1P+N C20	SGB 1P+N D20	6	60
25A	SGB 1P+N B25	SGB 1P+N C25	SGB 1P+N D25	6	60
32A	SGB 1P+N B32	SGB 1P+N C32	SGB 1P+N D32	6	60
40A	SGB 1P+N B40	SGB 1P+N C40	SGB 1P+N D40	6	60
50A	SGB 1P+N B50	SGB 1P+N C50	SGB 1P+N D50	6	60
63A	SGB 1P+N B63	SGB 1P+N C63	SGB 1P+N D63	6	60


2P


1A	SGB 2P B1	SGB 2P C1	SGB 2P D1	6	60
2A	SGB 2P B2	SGB 2P C2	SGB 2P D2	6	60
3A	SGB 2P B3	SGB 2P C3	SGB 2P D3	6	60
4A	SGB 2P B4	SGB 2P C4	SGB 2P D4	6	60
6A	SGB 2P B6	SGB 2P C6	SGB 2P D6	6	60
10A	SGB 2P B10	SGB 2P C10	SGB 2P D10	6	60
16A	SGB 2P B16	SGB 2P C16	SGB 2P D16	6	60
20A	SGB 2P B20	SGB 2P C20	SGB 2P D20	6	60
25A	SGB 2P B25	SGB 2P C25	SGB 2P D25	6	60
32A	SGB 2P B32	SGB 2P C32	SGB 2P D32	6	60
40A	SGB 2P B40	SGB 2P C40	SGB 2P D40	6	60
50A	SGB 2P B50	SGB 2P C50	SGB 2P D50	6	60
63A	SGB 2P B63	SGB 2P C63	SGB 2P D63	6	60

Catalog No.

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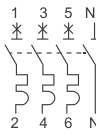
3P



In(A)	B(3-5In)	C(5-10In)	D(10-20In)	QTY/Box	QTY/CTN
	Model No.	Model No.	Model No.	PCS	PCS
1A	SGB 3P B1	SGB 3P C1	SGB 3P D1	4	40
2A	SGB 3P B2	SGB 3P C2	SGB 3P D2	4	40
3A	SGB 3P B3	SGB 3P C3	SGB 3P D3	4	40
4A	SGB 3P B4	SGB 3P C4	SGB 3P D4	4	40
6A	SGB 3P B6	SGB 3P C6	SGB 3P D6	4	40
10A	SGB 3P B10	SGB 3P C10	SGB 3P D10	4	40
16A	SGB 3P B16	SGB 3P C16	SGB 3P D16	4	40
20A	SGB 3P B20	SGB 3P C20	SGB 3P D20	4	40
25A	SGB 3P B25	SGB 3P C25	SGB 3P D25	4	40
32A	SGB 3P B32	SGB 3P C32	SGB 3P D32	4	40
40A	SGB 3P B40	SGB 3P C40	SGB 3P D40	4	40
50A	SGB 3P B50	SGB 3P C50	SGB 3P D50	4	40
63A	SGB 3P B63	SGB 3P C63	SGB 3P D63	4	40



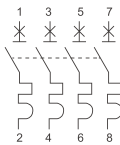
3P+N



1A	SGB 3P+N B1	SGB 3P+N C1	SGB 3P+N D1	3	30
2A	SGB 3P+N B2	SGB 3P+N C2	SGB 3P+N D2	3	30
3A	SGB 3P+N B3	SGB 3P+N C3	SGB 3P+N D3	3	30
4A	SGB 3P+N B4	SGB 3P+N C4	SGB 3P+N D4	3	30
6A	SGB 3P+N B6	SGB 3P+N C6	SGB 3P+N D6	3	30
10A	SGB 3P+N B10	SGB 3P+N C10	SGB 3P+N D10	3	30
16A	SGB 3P+N B16	SGB 3P+N C16	SGB 3P+N D16	3	30
20A	SGB 3P+N B20	SGB 3P+N C20	SGB 3P+N D20	3	30
25A	SGB 3P+N B25	SGB 3P+N C25	SGB 3P+N D25	3	30
32A	SGB 3P+N B32	SGB 3P+N C32	SGB 3P+N D32	3	30
40A	SGB 3P+N B40	SGB 3P+N C40	SGB 3P+N D40	3	30
50A	SGB 3P+N B50	SGB 3P+N C50	SGB 3P+N D50	3	30
63A	SGB 3P+N B63	SGB 3P+N C63	SGB 3P+N D63	3	30



4P



1A	SGB 4P B1	SGB 4P C1	SGB 4P D1	3	30
2A	SGB 4P B2	SGB 4P C2	SGB 4P D2	3	30
3A	SGB 4P B3	SGB 4P C3	SGB 4P D3	3	30
4A	SGB 4P B4	SGB 4P C4	SGB 4P D4	3	30
6A	SGB 4P B6	SGB 4P C6	SGB 4P D6	3	30
10A	SGB 4P B10	SGB 4P C10	SGB 4P D10	3	30
16A	SGB 4P B16	SGB 4P C16	SGB 4P D16	3	30
20A	SGB 4P B20	SGB 4P C20	SGB 4P D20	3	30
25A	SGB 4P B25	SGB 4P C25	SGB 4P D25	3	30
32A	SGB 4P B32	SGB 4P C32	SGB 4P D32	3	30
40A	SGB 4P B40	SGB 4P C40	SGB 4P D40	3	30
50A	SGB 4P B50	SGB 4P C50	SGB 4P D50	3	30
63A	SGB 4P B63	SGB 4P C63	SGB 4P D63	3	30