

BB1HT-63

Group Change-Over Switches



- 1 Brand
- 2 Type
- 3 Rated Current
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- 5 Indicator
- 6 Wiring Diagram

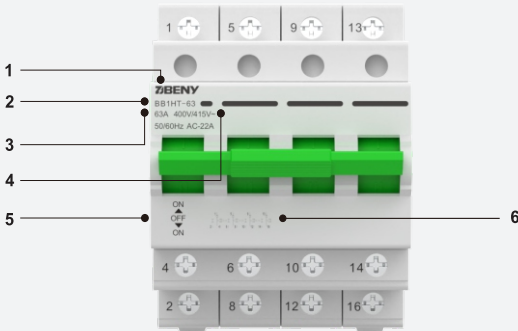
- Group Change-Over Switches
- Meet requirements of IEC/EN 60947-3
- Rated current from 63A
- Rated operating voltage 240/415V AC
- Utilization category AC-22A
- Contact form (I-O-II)
- 1 up to 4-pole versions
- Rated frequency 50/60 Hz



Application

ZBENY Group Change-Over Switches BB1HT are designed and intended for switching of auxiliary, control, measuring and switching networks. Testing according 60947-3 standard ensure functions and reliability for wide variety of applications. Utilization category AC-22A allows switching under load. They are available in variants with change-over contacts (CO) from 1 CO up to 4 CO. Contact form (I-O-II) allows a load to be manually changed from one electrical source to another, without risk of short-circuit.

Appearance Introduction



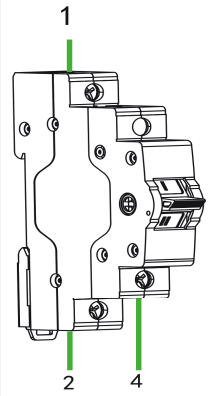
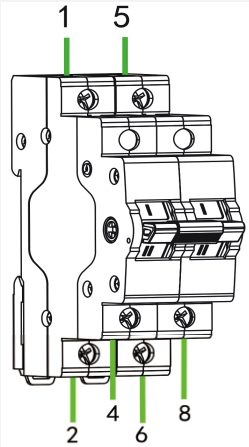
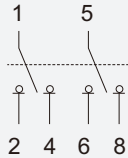
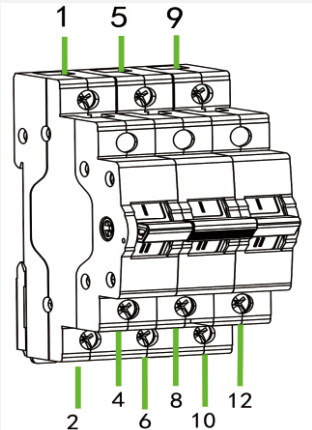
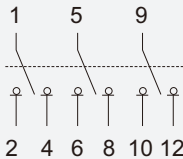
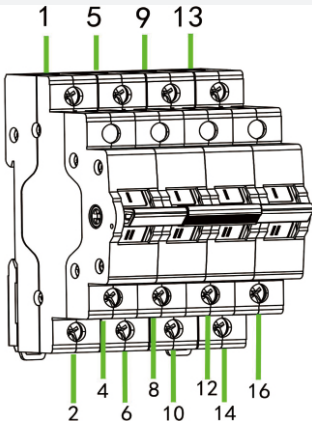
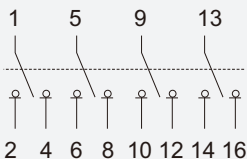
Type Instruction

BB1	-	HT	-	63A	4CO	-	63A
↓		↓		↓	↓		↓
Product Code		Product		Max Rated Current	Contacts/ Poles		Rated current
BB1		HT: Change-over switches		63A	1CO: 1P 2CO: 2P 3CO: 3P 4CO: 4P		16A, 20A, 25A 32A, 40A, 50A 63A

Parameter

Electrical Characteristics			
Comply with		IEC/EN 60947-3	
Rated Working Voltage	Ue	230/240V~ for(1P)	240/415V~ or 400/415V~ for(2P/3P/4P)
Max Rated Current	Ith	63A	
Rated Current	In	16A,20A,25A,32A,40A,50A,63A	
Rated Insulated Voltage	Ui	690V AC	
Rated Impulsed Voltage	Uimp	4kV	
Rated short-time withstand current	Icw	756A/1s	
Rated short-circuit making capacity	Icm	1260A	
Rated making and breaking capacity		189A	
Utilization Category		AC-22A	
Rated frequency		50/60Hz	
Service Life&Cycle Operation			
Mechanical		8500	
Electrical		1500	
Installation Environment			
Ingress Protection		All Sides IP40,Connection TerminalIP20	
Terminal Cross Section		2.5-16mm²	
Product wiring torque M5		2N·m	
Working Temperature		-40℃~-+80℃	
Storage Temperature		-40℃~-+85℃	
Resistance to Humidityand Heat		II（Humidity 55℃, relative humidity 95%）	
Fixed installation		Fixed to the 35mm guide rail	

Wiring Diagram

Product Image	Pole	Wiring Diagram
	1CO: 1P	
	2CO: 2P	
	3CO: 3P	
	4CO: 4P	

Derating Date

Derating Temperature					
Tem Proportion Type	-40°C-40°C	50°C	60°C	70°C	80°C
BB1HT-63	100%	95%	90%	85%	80%
Altitude of Derating					
Altitude	2000m	3000m	4000m	5000m	
Power frequency withstand voltage	100%	100%	100%	100%	100%
Ui	100%	100%	100%	100%	100%
In	100%	100%	90%	80%	
Ue	N/A				

Installation and use

Recommended wiring section							
Current	16A	20A	25A	32A	40A	50A	63A
Section mm ²	2.5	2.5	4	6	10	10	16

Dimensions(mm)

