

BB1HT-125
Group Change-Over Switches



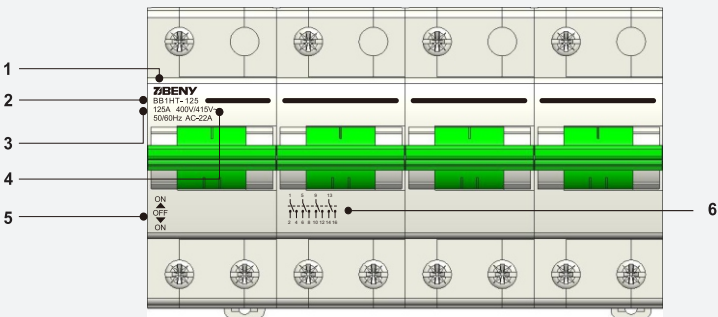
- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Indicator
- 6 Wiring Diagram

- Group Change-Over Switches
- Meet requirements of IEC 60947-3
- Rated current from 125A
- 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

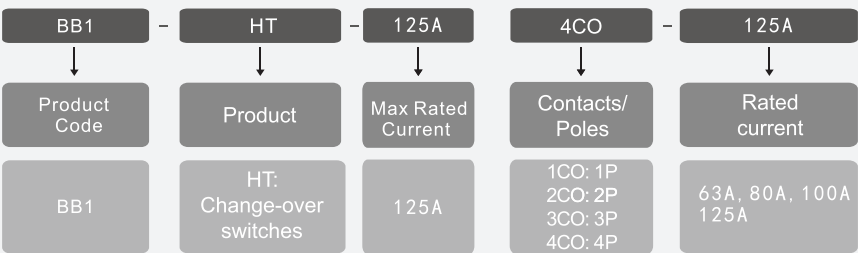
Application

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



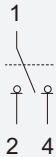
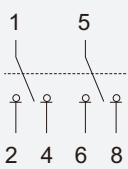
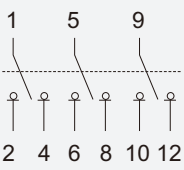
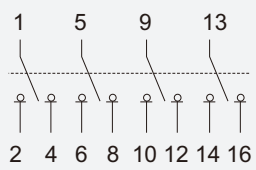
Type Instruction



Parameter

Electrical Characteristics			
Comply with		IEC 60947-3、AS/NZS IEC 60947.3	
Rated Working Voltage	Ue	230/240V~ for(1P)	240/415V~ or 400/415V~ for(2P/3P/4P)
Max Rated Current	Ith	125A	
Rated Current	In	16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A	
Rated Insulated Voltage	Ui	690V AC	
Rated Impulsed Voltage	Uimp	4kV	
Rated short-time withstand current	Icw	1500A/1s	
Rated short-circuit making capacity	Icm	2500A	
Rated making and breaking capacity		375A	
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		2.5mm ² - 50mm ²	
Product wiring torque M5		3 N·m - 5 N·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

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-125	100%	95%	90%	85%	80%

Altitude of Derating					
Altitude	2000m	3000m	4000m	5000m	
Power frequency withstand voltage	100%	100%	100%	100%	
Ui	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	80A	100A	125A
Section mm ²	2.5	2.5	4	6	10	10	16	25	35	50

Dimensions(mm)

