

TECHNICAL DETAILS

HARMONY BS-TYPE

Harmony

Switches 10AX

BS-TYPE 1Way Switch

2Way Switch



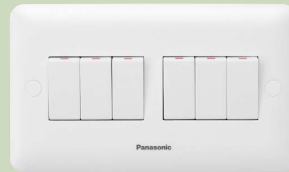
WBC5011



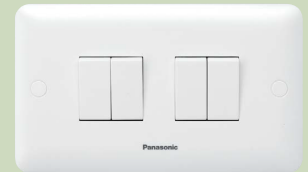
WBC5021



WBC5031



WBC5061



WBC5042

Technical Specifications

- ▶ Standards
Comply with BSEN60669-1
- ▶ Rating
10AX 250V~
- ▶ Ambient Temperature
-5°C – +40°C
- ▶ Representative Performance
 - Electric strength : 2,000V 1 min
 - Operation test : 40,000 Operations
 - Temperature rise : Test current 13.5A (2.5 mm²)
Not more than 45K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
1 mm² - 4 mm²
- ▶ Terminal Capacity
1.5 mm² × 3
2.5 mm² × 2
4 mm² × 1

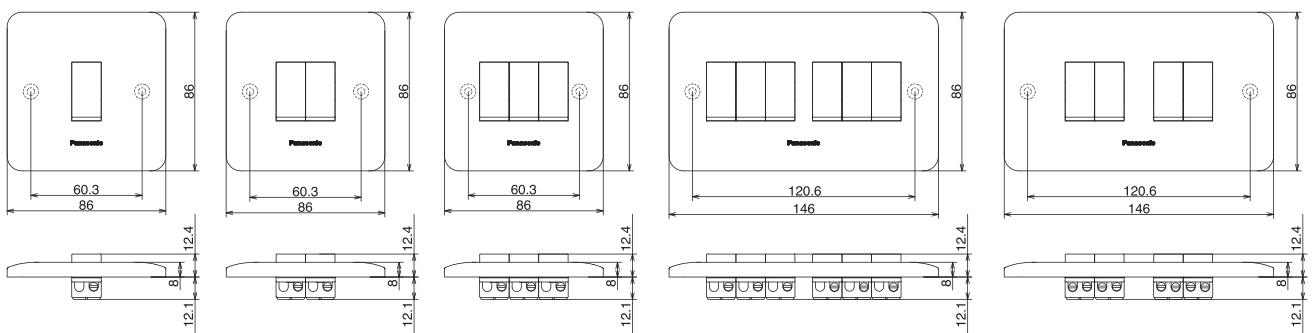
Features

- Compact tumbler switch delivers a distinct click feel.
- Made with flame-retardant and heat-resistant urea resins.
- Construction integrated with plate maintains overall compact dimensions.
- Accepts wires : 1 mm² - 4 mm² solid wire and stranded wire.

Dimensions

BS-TYPE 1Way Switch

2Way Switch



*BS-TYPE : M3.5 mounting screws included.

Switches 20A

BS-TYPE DP Switch



WBC5203

DP Switch with Indicator



WBC5303

(Water Heater)



WBC5313

Technical Specifications

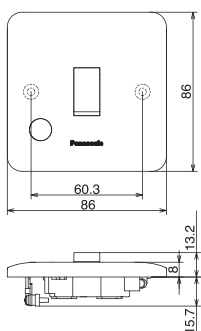
- ▶ Standards
Comply with BSEN60669-1
- ▶ Rating
20A 250V~
- ▶ Ambient Temperature
-5°C – +40°C
- ▶ Representative Performance
 - Electric strength : 2,000V 1 min
 - Operation test : 10,000 Operations
 - Temperature rise : Test current 25A (4 mm²)
Not more than 45K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
2.5 mm² - 6 mm²
- ▶ Terminal Capacity
 - 1.5 mm² × 3
 - 2.5 mm² × 3
 - 4 mm² × 2
 - 6 mm² × 1

Features

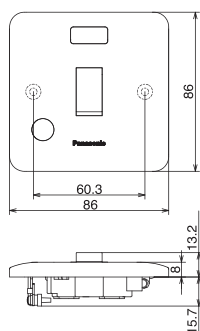
- High-capacity silver contact for longer life.
- Made with flame-retardant and heat-resistant urea resins.
- Construction integrated with plate maintains overall compact dimensions.
- Built-in lighted indicator shows On/Off status. (WBC 5303, 5313)

Dimensions

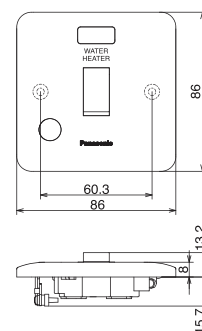
BS-TYPE DP Switch



DP Switch with Indicator



(Water Heater)



*BS-TYPE : M3.5 mounting screws included.

TECHNICAL DETAILS

HARMONY BS-TYPE

Harmony

Switches 45A

BS-TYPE DP Switch with Indicator



WBC5403



WBC5413

Technical Specifications

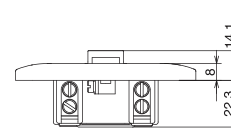
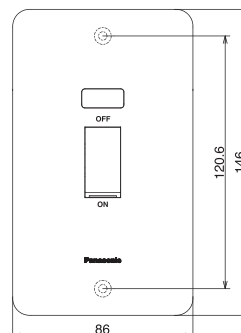
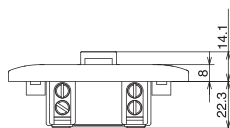
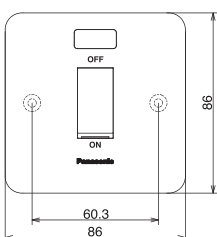
- ▶ Standards
Comply with BSEN60669-1
- ▶ Rating
45A 250V~ (for a resistive circuit)
25A 250V~ (for a motor-load circuit)
- ▶ Ambient Temperature
-5°C — +40°C
- ▶ Representative Performance
 - Electric strength : 1,500V 1 min
 - Operation test : 10,000 Operations
 - Temperature rise : Test current 51A (16 mm²)
Not more than 45K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
4 mm² - 16 mm² Stranded wire
4 mm² - 6 mm² Solid wire
- ▶ Terminal Capacity
4 mm² × 3
6 mm² × 2
10 mm² × 1
16 mm² × 1

Features

- High-capacity silver contact for longer life.
- Cover uses flame-retardant and heat-resistant urea resin. (body made from PBT)
- Construction integrated with plate maintains overall compact dimensions.
- Accepts wires : 4 mm² - 16 mm² solid wire and stranded wire.
- Built-in lighted indicator shows On/Off status.
- Normal gap double-pole switch (minimum contact gap : 3 mm) construction ensures safe load shut-off.

Dimensions

BS-TYPE DP Switch with Indicator



*BS-TYPE : M3.5 mounting screws included.

Dimmer Switches

BS-TYPE 500W



WBC4211

400W × 2



WBC4221

350W × 3



WBC4231

300W × 4



WBC4241

Technical Specifications

- ▶ Rating
220V-240V~50/60Hz
- ▶ Ambient Temperature
-5°C - +40°C
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
1 mm² - 4 mm²

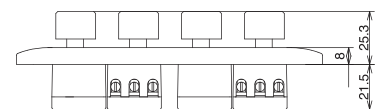
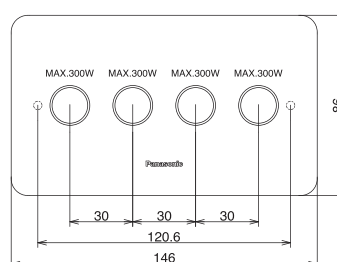
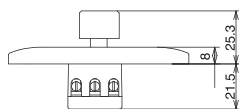
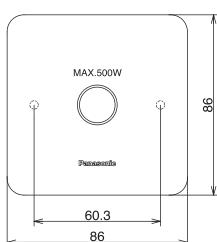
Features

- Product range extensive enough to include a 4-gang switch with 1,200W rating.
- Built-in Push On/Off function.
- Construction integrated with plate maintains overall compact dimensions.
- Fan controller available. (WBC4530)

Dimensions

BS-TYPE 500W

300W × 4



*BS-TYPE : M3.5 mounting screws included.

HARMONY BS-TYPE

Harmony

Socket Outlets

BS-TYPE DP Switched Socket



WBC1212



WBC1222

DP Switched Socket with Indicator



WBC1214



WBC1224

Technical Specifications

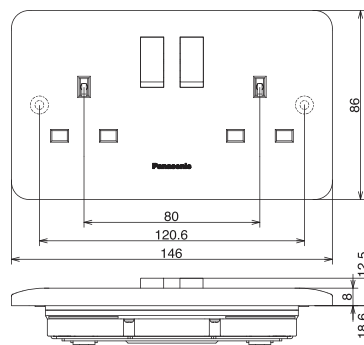
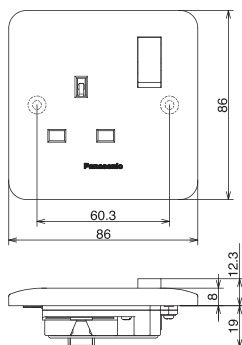
- ▶ Standards
Comply with BS1363-2
- ▶ Rating
13A 250V~
- ▶ Ambient Temperature
-5°C – +40°C
- ▶ Representative Performance
 - Electric strength : 2,000V 1 min
 - Operation test : 15,000 times (30,000 movements)
 - Temperature rise : Test current 20A (2.5 mm²)
Not more than 52K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
1.5 mm² - 4 mm²
15 AWG - 12 AWG
- ▶ Terminal Capacity
1.5 mm² × 3
2.5 mm² × 3
4 mm² × 2

Features

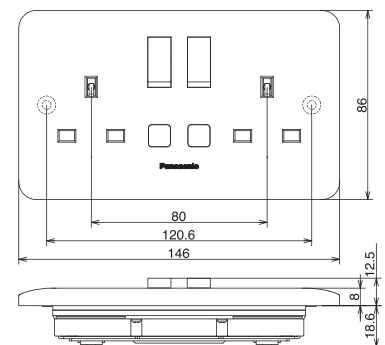
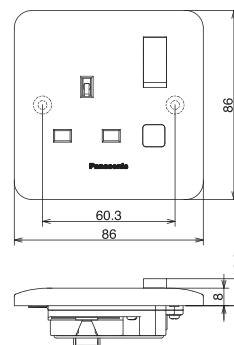
- Socket Outlet with a double-pole switch completely isolates load from power supply.
- Socket Outlet housing uses flame-retardant and heat-resistant Nylon with high anti-tracking properties.
- Accepts wires : 1.5 mm² - 4 mm² solid wire and stranded wire.
- Both socket and switch components have adequate operation capability.
- Included safety shutter prevents kids from tampering with socket.
Models equipped with pilot lamps are also available. (single switch - 1 lamp, double switch - 2 lamps)

Dimensions

BS-TYPE DP Switched Socket



DP Switched Socket with Indicator



*BS-TYPE : M3.5 mounting screws included.

Accessories - Television

BS-TYPE DIN Type



WBC3010

F Type



WBC3011

DIN Type



WBC3020

DIN Type + F Type



WBC3820

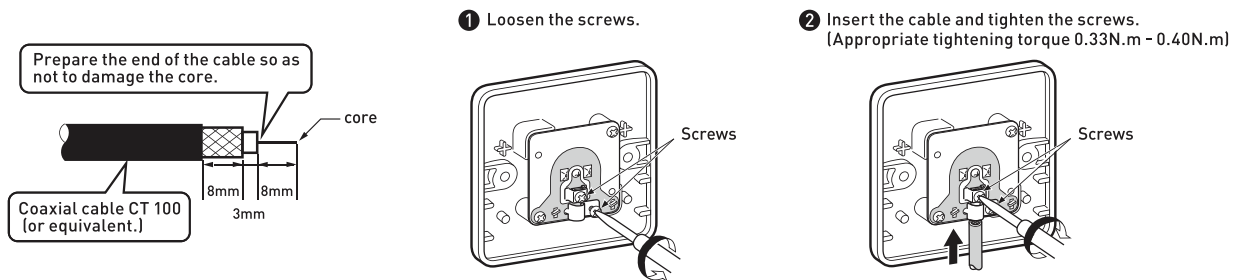
Technical Specifications

- ▶ Connector Type (Outlet) : DIN Type
WBC3010, WBC3020 (TV, FM), WBC3820 (TV)
- ▶ Connector Type (Outlet) : F Type
WBC3011 (SAT), WBC3820 (SAT)

- ▶ Terminal : Screw Terminal
- ▶ Impedance : Input, Outlet : 75Ω
- ▶ Applicable Cable : Coaxial cable
Characteristic Impedance
75Ω type : CT-100 (or equivalent)

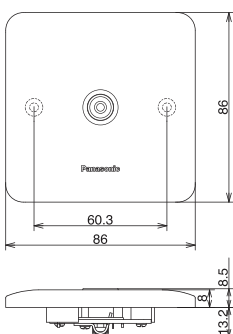
Features

“Easy Connection” Connection just needs a coaxial cable to be inserted, then both core and braid sections are tightened with screws.

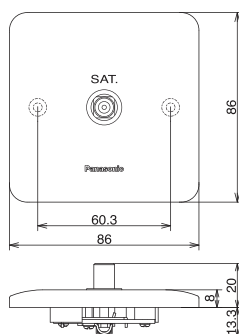


Dimensions

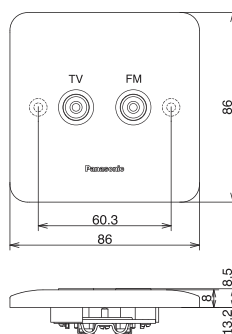
BS-TYPE DIN Type



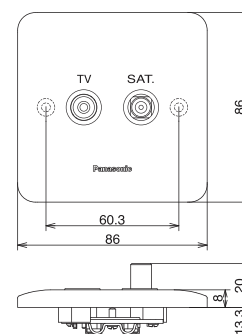
F Type



DIN Type



DIN Type + F Type



*BS-TYPE : M3.5 mounting screws included.

HARMONY BS-TYPE

Accessories- Telephone



Technical Specifications

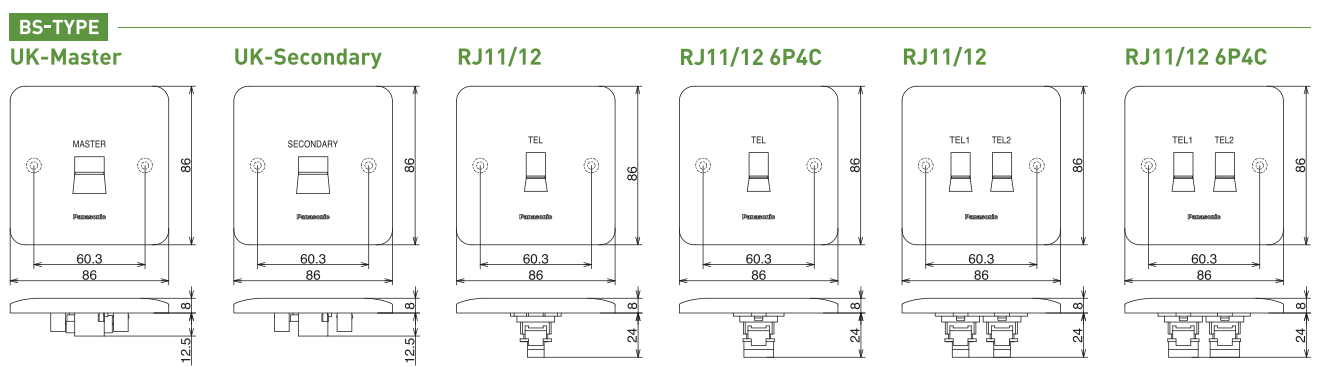
- UK Type**
- ▶ Connector Type
Miniature Modular Jack, 6P6C
(Mechanically complies with BS 6312 : 1994,
miniature 6 position jack with 6 contacts)
 - ▶ Terminal
Screw Terminal
 - ▶ Applicable Wire
Core wire to be 0.5 mm in diameter (solid copper only)
2 Pairs Cable [CW1308]

- RJ11/12 Type**
- ▶ Connector Type
Miniature Modular Jack,
(6P2C) 6 position with 2-contacts,
(6P4C) 6 position with 4-contacts,
specified in TIA-1096-A (Previously in FCC part 68)
 - ▶ Terminal
Screw Terminal
 - ▶ Applicable Wire
Core wire to be 0.5 mm in diameter (solid copper only)

Features

- Using terminal blocks enhance wiring ease.
- Two types available-the RJ type and the UL type.

Dimensions



*BS-TYPE : M3.5 mounting screws included.

Accessories - LAN

BS-TYPE RJ45 Category 5e



WBC3216



WBC3226

RJ45 Category 6



WBC3217



WBC3227

Technical Specifications

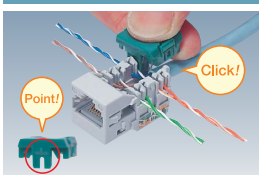
- ▶ Connector Type
"8-way unshielded fixed connector (miniature 8-position modular jack)" specified in IEC 60603-7
- ▶ Terminal
IDC connection
- ▶ Applicable Cable
WBC3216/3226 : 4-pair UTP cable, Category 5e
Conductor : solid copper wire, 22 AWG - 24 AWG (diameter : 0.5 mm - 0.65 mm)
: or stranded copper wire, 24 AWG
WBC3217/3227 : 4-pair UTP cable, Category 6
Conductor : solid copper wire, 22 AWG - 24 AWG (diameter : 0.5 mm - 0.65 mm)

Features

1 It's not necessary to use special wiring tool.

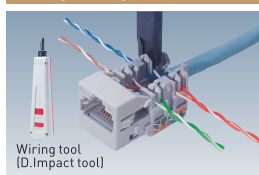
2-way connection

Toolless



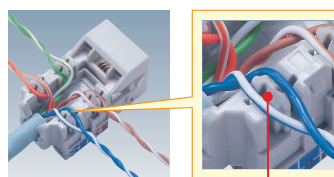
Cut the excess wires with nippers after connection

Using wiring tool



Excess wires can be cut with the blade edge of the tool

2 No need to untwist the wires.



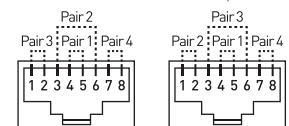
Projection between the slots

No need to untwist the wires to setting on the slots. Minimum untwisting retains uniform installation quality and transmission performance.

Pin/Pair assignment

T568A

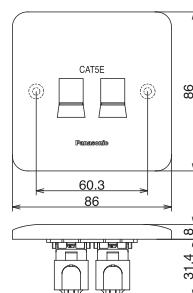
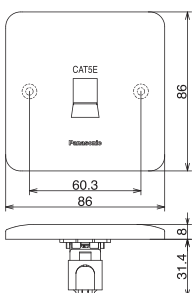
T568B (Optional)



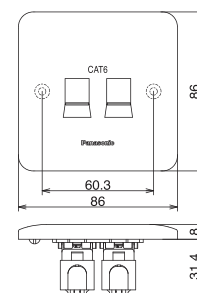
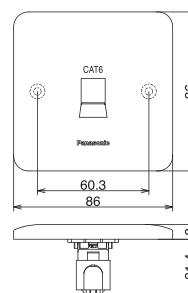
Pair	Color	Pin No.	
		T568A	T568B
1	W/BL	5	5
	BL	4	4
2	W/O	3	1
	O	6	2
3	W/G	1	3
	G	2	6
4	W/BR	7	7
	BR	8	8

Dimensions

BS-TYPE RJ45 Category 5e



RJ45 Category 6



*BS-TYPE : M3.5 mounting screws included.

Others

Push Button



WBC5511

Technical Specifications

- ▶ Standards
Comply with BSEN60669-1
- ▶ Rating
10A 250V~
- ▶ Ambient Temperature
-5°C – +40°C
- ▶ Representative Performance
 - Electric strength
: 2,000V 1 min
 - Operation test
: 40,000 Operations
 - Temperature rise
: Test current 13.5A (2.5 mm²)
Not more than 45K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
1 mm² - 4 mm²
- ▶ Terminal Capacity
1.5 mm² × 3
2.5 mm² × 2
4 mm² × 1

Intermediate Switch



WBC5014

Technical Specifications

- ▶ Standards
Comply with BSEN60669-1
- ▶ Rating
10AX 250V~
- ▶ Ambient Temperature
-5°C – +40°C
- ▶ Representative Performance
 - Electric strength
: 2,000V 1 min
 - Operation test
: 40,000 Operations
 - Temperature rise
: Test current 13.5A (2.5 mm²)
Not more than 45K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
1 mm² - 4 mm²
- ▶ Terminal Capacity
1.5 mm² × 3
2.5 mm² × 2
4 mm² × 1

15A Socket



WBC1313

Technical Specifications

- ▶ Standards
Comply with BS546
- ▶ Rating
15A 250V~
- ▶ Ambient Temperature
-5°C – +40°C
- ▶ Representative Performance
 - Electric strength
: 1,500V 1 min
 - Operation test
: 15,000 times (30,000 movements)
 - Temperature rise
: Test current 15A (2.5 mm²)
Not more than 35K (Terminals)
- ▶ Terminal
Pillar Terminal
- ▶ Applicable Wire
2.5 mm² - 6 mm²
- ▶ Terminal Capacity
2.5 mm² × 3
4 mm² × 2
6 mm² × 1

16A Universal Socket



WBC1510

Technical Specifications

- ▶ Standards
 - Comply with IEC60884-1
- ▶ Rating
 - 16A 250V~
- ▶ Ambient Temperature
 - 5°C – +40°C
- ▶ Representative Performance
 - Electric strength
 - : 2,000V 1 min
 - Operation test
 - : 5,000 times (10,000 movements)
 - Temperature rise
 - : Test current 22A (2.5 mm²)
 - Not more than 45K (Terminals)
- ▶ Terminal
 - Pillar Terminal
- ▶ Applicable Wire
 - 2.5 mm² - 6 mm²
- ▶ Terminal Capacity
 - 2.5 mm² × 2
 - 4 mm² × 1
 - 6 mm² × 1

German Socket



WBC1610

Technical Specifications

- ▶ Standards
 - Comply with IEC60884-1
- ▶ Rating
 - 16A 250V~
- ▶ Ambient Temperature
 - 5°C – +40°C
- ▶ Representative Performance
 - Electric strength
 - : 2,000V 1 min
 - Operation test
 - : 5,000 times (10,000 movements)
 - Temperature rise
 - : Test current 22A (2.5 mm²)
 - Not more than 45K (Terminals)
- ▶ Terminal
 - Pillar Terminal
- ▶ Applicable Wire
 - 2.5 mm² - 6 mm²
- ▶ Terminal Capacity
 - 2.5 mm² × 3
 - 4 mm² × 2
 - 6 mm² × 1

Cable Outlet



WBC7010



WBC7020

Technical Specifications

- ▶ Standards and Approvals
 - Comply with BS5733
- ▶ Ambient Temperature
 - 5°C – +40°C
- ▶ Representative Performance
 - Electric strength
 - : 2,000V 1min
 - Temperature rise :
 - WBC7010
 - : Test current 22A (4 mm²)
 - WBC7020
 - : Test current 49.5A (6 mm²)
 - Not more than 47K (Terminals)
- ▶ Applicable Wire
 - WBC7010
 - Input : 2.5 mm² - 6 mm² (Rigid Copper Wire)
 - Output : 1.5 mm² - 2.5 mm² (Flexible Electrical Wire)
 - WBC7020 :
 - Input : 4 mm² - 16 mm² (Rigid Copper Wire)
 - Output : 4 mm² - 16 mm² (Flexible Electrical Wire)
- ▶ Terminal Capacity
 - WBC7010
 - : Input 2.5 mm², 4 mm², 6 mm² × 1
 - Output 1.5 mm², 2.5 mm², × 1
 - WBC7020
 - : Input 4 mm², 6 mm², 10 mm², 16 mm² × 1
 - Output 4 mm², 6 mm², 10 mm², 16 mm² × 1
- ▶ Terminal
 - Pillar Terminal

Others

Fuse Unit



WBC7100



WBC7101

Technical Specifications

- ▶ Standards
 - Comply with BS1363-4
- ▶ Rating
 - 13A 250V~
- ▶ Ambient Temperature
 - 5°C – +40°C
- ▶ Representative Performance
 - Electric strength
 - : 2,000V 1 min
 - Temperature rise
 - : Test current 20A (2.5 mm²)
 - Not more than 52K (Terminals)
- ▶ Terminal
 - Pillar Terminal
- ▶ Applicable Wire
 - 2.5 mm² - 6 mm²
- ▶ Terminal Capacity
 - 2.5 mm² × 3
 - 4 mm² × 2
 - 6 mm² × 1

Shaver Socket



WBC9120

Technical Specifications

- ▶ Standards
 - Comply with BSEN61558-2-5
- ▶ Rating
 - 20VA 250V~
- ▶ Ambient Temperature
 - 5°C – +40°C
- ▶ Representative Performance
 - Electric strength
 - : 2,000V 1 min
 - Operation test
 - : 5,000 times (10,000 movements)
 - Temperature rise
 - : Test current 20VA (4 mm²)
 - Not more than 45K (Terminals)
- ▶ Terminal
 - Pillar Terminal
- ▶ Applicable Wire
 - 2.5 mm² - 4 mm²
- ▶ Terminal Capacity
 - 2.5 mm² × 1
 - 4 mm² × 1

