


# FLATIMA SERIES BS-TYPE

## Switches

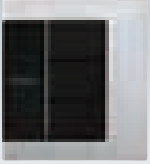
**WTFBP51512** □ -1  
1-Gang 2Way Switch 16AX SP  
Quick Connect Terminal



**WTFBP52522** □ -1  
1-Gang 2-Devices 2Way Switch 16AX SP  
Quick Connect Terminal




**WTFBP53532** □ -1  
1-Gang 3-Devices 2Way Switch 16AX SP  
Quick Connect Terminal



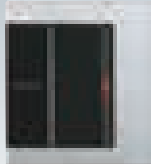
**WTFBP5004** □ -1  
1-Gang Intermediate Switch 10AX  
Quick Connect Terminal



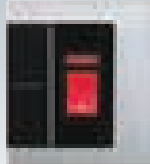
**WTFBP5411** □ -1  
1-Gang Push Button  
Quick Connect Terminal




**WTFBP55137** □ -1  
1-Gang 1Way Switch 20A DP  
with Indicator



**WTFBP5408699** □ 1K **NEW**  
1-Gang 1Way Switch 45A DP  
with Indicator Pillar Terminal



**WTFBP5408699** □ -1 (old model)  
1-Gang 1Way Switch  
45A DP with Indicator



## Socket Outlets


**WTFBP11119** □ -1 **NEW**  
1-Gang 13A Switched Socket




**WTFBP11111** □ -1 (old model)  
1-Gang 13A Switched Socket




**WTFBP11129** □ -1 **NEW**  
2-Gang 13A Switched Socket



**WTFBP1112** □ -1 (old model)  
2-Gang 13A Switched Socket



**Variety of Colors**



**Silver** **Y**

**Gold** **Q**

**Brown** **S**

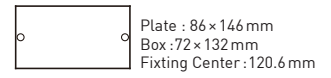
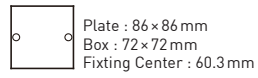
FLATIMA SERIES  
BS-TYPE

FULL-COLOR WIDE SERIES  
Refina BS-TYPE

FULL-COLOR WIDE SERIES  
BS-TYPE

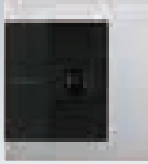
FULL-COLOR SERIES  
BS-TYPE

**DIMENSIONS of Applicable Box**

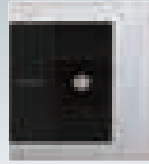


**Accessories**

**WTFBP2501** □ -1  
TV Socket DIN Type



**WTFBP2731** □ -1  
TV Socket F Type



**WTFBP2164** □ -1  
Telephone Socket 6P4C

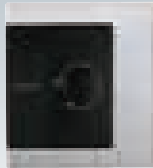


**WTFBP24886** □ -1  
LAN Socket Cat 6

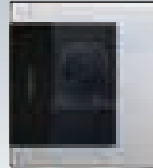


**Dimmer Switch**

**WTFBP5781103** □ -1  
Dimmer Switch 1000W  
220-240V~ 50/60Hz



**WTFBP579120** □ -1  
LED Dimmer Switch 200W ( LED50W )  
220-240V~ 50/60Hz



**Cable Outlets**

**WTFBP7010**  
Cable Outlet with 20A Terminal



**WTFBP7020**  
Cable Outlet with 45A Terminal



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FULL-COLOR WIDE SERIES  
Refina BS-TYPE

FULL-COLOR WIDE SERIES  
BS-TYPE

FULL-COLOR SERIES  
BS-TYPE

FLATIMA SERIES BS-TYPE

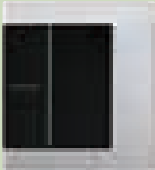
FLATIMA  
SERIES

# Switches 10AX/16AX

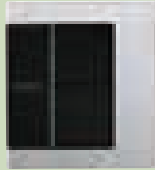
BS-TYPE 2Way Switch

Intermediate Switch

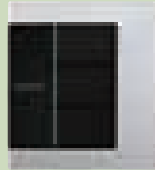
Push Button



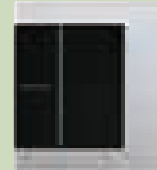
WTFBP51512S-1



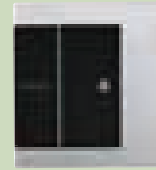
WTFBP52522S-1



WTFBP53532S-1



WTFBP5004S-1



WTFBP5411S-1

\*Push On/Off Switches.

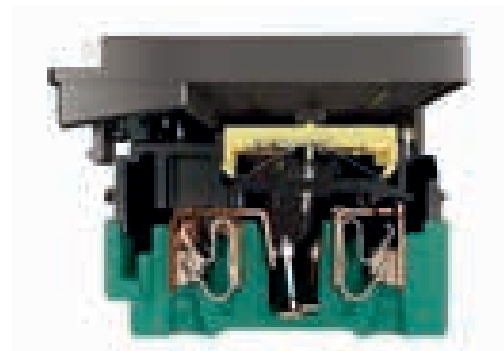
## Technical Specifications

- ▶ Standards
    - Comply with IEC60669-1
  - ▶ Rating
    - 16AX 250V~ (2way switch)
    - 10AX 250V~ (intermediate, Push button)
  - ▶ Ambient Temperature
    - 10°C – +40°C
  - ▶ Representative Performance
    - Electric strength : 2,000V 1 min
    - Operation test : 40,000 Operations
    - Temperature rise : Test current 22A (2.5 mm<sup>2</sup>)  
17.5A (1.5 mm<sup>2</sup>) \*10AX switch
    - Not more than 45K (Terminals)
  - ▶ Terminal
    - Quick Connect Terminal (Screwless Terminal)
  - ▶ Applicable Wire
    - 1.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>
    - 14 AWG - 12 AWG
  - ▶ Terminal Capacity
    - 1.5 mm<sup>2</sup> × 1
    - 2.5 mm<sup>2</sup> × 1
    - 14 AWG × 1
    - 12 AWG × 1
- \*Supply terminal (2way, Push Button) has 2 terminal holes.

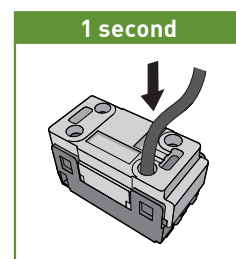
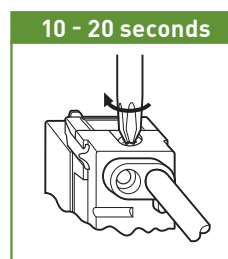
## Features

### Screwless Terminal (reduces installation work)

- All wire, and 14 - 12 AWG wires can be connected directly.
- Quick Connect Terminal significantly reduces connection time, compared to screw terminals.  
Screw terminal : 10 - 20 seconds  
Quick Connect Terminal : 1 second
- Wire connection can be uniformly performed regardless of operator skill level.
- Wires do not loosen even after a long usage. (double contact point structure)

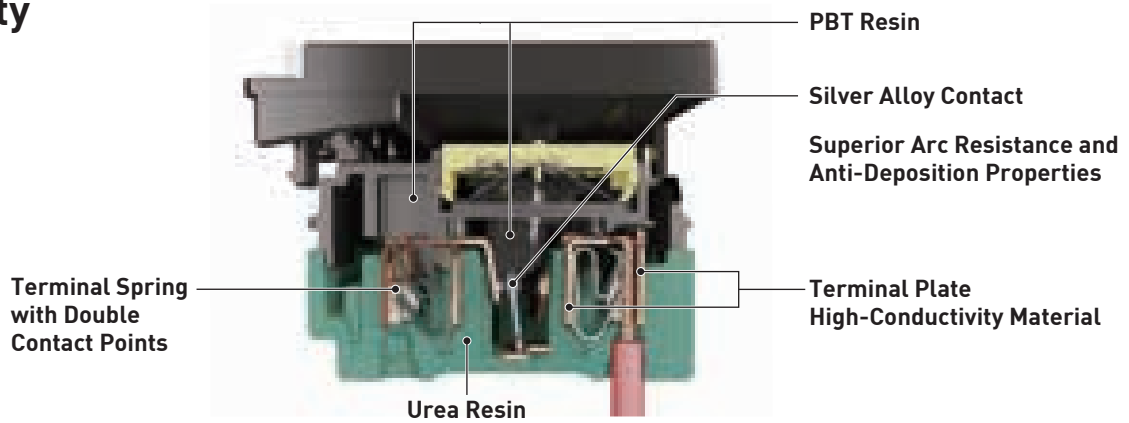


Flexible Conductor NG	Stranded Conductor OK	Solid Conductor OK
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## Features

### Safety



### Characteristics of Urea Resin

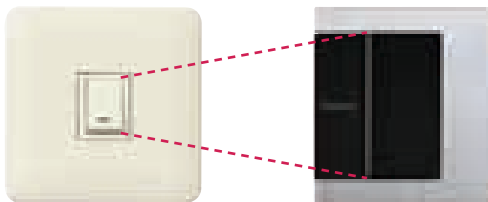
- Excellent Arc resistance, Arc tracking resistance, Flame retardance, Heat resistance Color fastness.
- Has good electrical performance and mechanical strength with excellent abrasion resistance.
- Difficult to scratch, and there is virtually no adherence of dust due to static electricity.
- Organic solvents and oily substances cannot permeate.

#### Enclosure Material Characteristics (reference)

	Urea	PBT	Polycarbonate
Tracking Performance	Excellent	Good	Poor
Heat Deformation	Good	Good	Fair
Self-Extinguishment	Good	Good	Good

### Easy Operation

- Large control surface requires only a light push to switch On/Off.
- Sliding cam mechanism makes light-push On/Off switching possible.



### Switch Mechanism

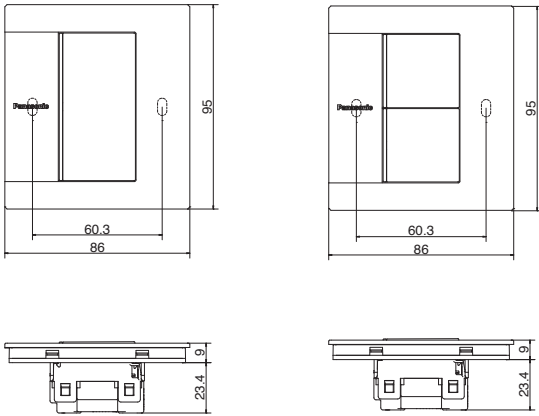
- Panasonic proprietary Push On/Off mechanism used.
- Switch automatically returns to original horizontal position after pushing.



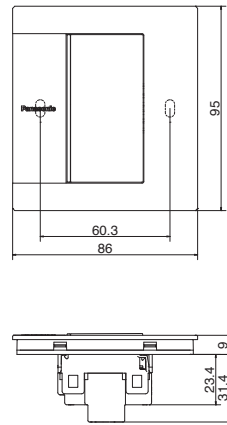
# TECHNICAL DETAILS

## Dimensions

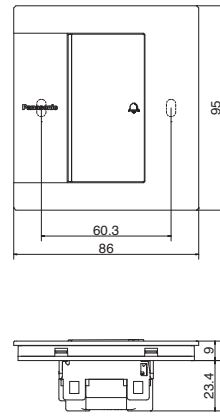
### BS-TYPE 2Way Switch



### Intermediate Switch

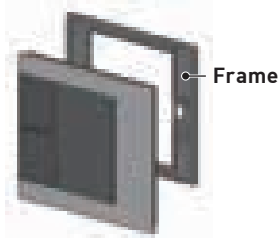


### Push Button

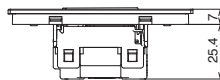


\*BS-Type : M3.5 mounting screws included.

### In Case Frame Removed



#### • Dimensions



When the frames are removed, they will become flash plate height to 7mm higher and depth of device to 2mm deeper excepting Socket Outlet(1,2-Gang), Dimmer Switch and Cable Outlet(20A, 45A).

## Applicable Box

### BS-TYPE

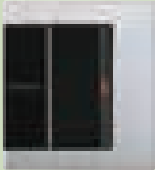


#### ► Dimensions

- Box : 72 x 72 mm
- Fixing Center : 60.3 mm
- Box's depth : 35 mm or more
- 41 mm or more (Intermediate)

# Switches 20A

**BS-TYPE** DP Switch with Indicator



WTFBP55137S-1

## Technical Specifications

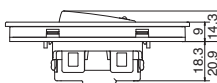
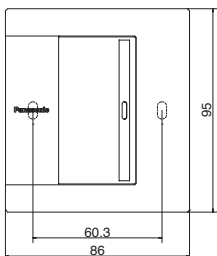
- ▶ Standards  
Comply with IEC60669-1
- ▶ Rating  
20A 250V~
- ▶ Ambient Temperature  
-10°C – +40°C
- ▶ Representative Performance
  - Electric strength : 2,000V 1 min
  - Operation test : 10,000 Operations
  - Temperature rise : Test current 25A (4 mm<sup>2</sup>)  
Not more than 45K (Terminals)
- ▶ Terminal  
Pillar Terminal II
- ▶ Applicable Wire  
2.5 mm<sup>2</sup> - 6 mm<sup>2</sup>  
13 AWG - 10 AWG
- ▶ Terminal Capacity  
2.5 mm<sup>2</sup> × 2  
4 mm<sup>2</sup> × 1  
6 mm<sup>2</sup> × 1

## Features

- High rating silver contact for extended service life.
- Made with flame-retardant and heat-resistant urea resin.
- Conductive section uses heat-resistant copper with superior anticorrosion property and conductivity for long-term stable, reliable performance.  
Accepts wires : 2.5 mm<sup>2</sup> - 6 mm<sup>2</sup> solid wire and flexible wire.
- Built-in lighted indicator shows On/Off status.

## Dimensions

**BS-TYPE** DP Switch with Indicator



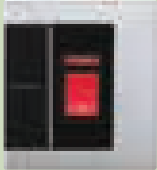
\*BS-TYPE : M3.5 mounting screws included.

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SERIES

## Switches 45A

**BS-TYPE** DP Switch with Indicator



WTFBP5408699S-1\*\*



WTFBP5408699S1K\*

### Technical Specifications

- ▶ Standards  
Comply BS EN 60669-1\* and BS3676:1089\*\*
- ▶ Rating  
45A 250V~ (Resistive)  
Motor Full load current of 25A or less,  
power factor of 0.8 or more)
- ▶ Ambient Temperature  
-10°C – +40°C
- ▶ Representative Performance
  - Electric strength : 1,500V 1 min
  - Operation test : 10,000 operations
  - Temperature rise : Test current 51A (16 mm<sup>2</sup>)  
Not more than 45K (Terminals)
- ▶ Terminal  
Pillar Terminal
- ▶ Applicable Wire  
[Solid] 4 mm<sup>2</sup>  
[Stranded] 4 mm<sup>2</sup> - 16 mm<sup>2</sup>  
[AWG] AWG 10 - AWG 6
- ▶ Terminal Capacity
  - 4 mm<sup>2</sup> × 2
  - 6 mm<sup>2</sup> × 2
  - 10 mm<sup>2</sup> × 1
  - 16 mm<sup>2</sup> × 1

FLOOR OUTLET SERIES

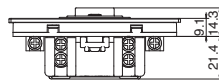
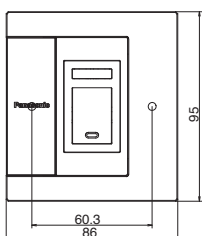
### Features

- High-capacity silver contact for longer life.
- Made with flame-retardant and heat-resistant melamine phenol/urea resins.
- Conductive section uses heat-resistant copper with superior anticorrosion property and conductivity for long-term stable, reliable performance.
- Built-in lighted indicator shows On/Off status.
- Normal gap double-pole switch (minimum contact gap : 3 mm) construction ensures safe load shut-off.
- Double Earth Terminal.

PASSIVE INFRARED SENSOR

### Dimensions

**BS-TYPE** DP Switch with Indicator



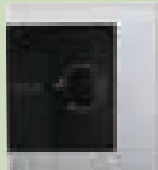
\*BS-TYPE : M3.5 mounting screws included.

TECHNICAL DETAILS

AUTOMATIC TIME SWITCH

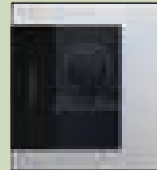
# Dimmer Switches

## BS-TYPE Dimmer Switch



WTFBP5781103S-1

## LED Dimmer



WTFBP579120S-1

## Technical Specifications

### WTFBP5781103S-1

- ▶ Rating  
220V - 240V~ 50/60Hz 1000W
- ▶ Ambient Temperature  
0°C – +35°C
- ▶ Terminal  
Pillar Terminal
- ▶ Applicable Wire  
1 mm<sup>2</sup> - 4 mm<sup>2</sup>

### WTFBP579120S-1

- ▶ Rating  
220V - 240V~ 50/60Hz 200W (LED50W)
- ▶ Ambient Temperature  
0°C – +35°C
- ▶ Terminal : Pillar Terminal
- ▶ Applicable Wire : 1 - 2.5 mm<sup>2</sup>
- ▶ Applicable Load  
40W - 200W (Incandescent Lamp)  
10VA to 200VA (Electronic Transformer)  
50W/Max 8 Lamps (LED Dimmable Bulbs)

## Features

### WTFBP5781103S-1

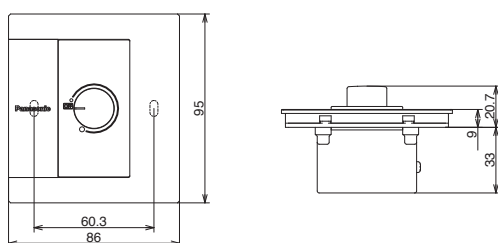
- New pillar terminal accommodates 1 mm<sup>2</sup> - 4 mm<sup>2</sup> solid wire and stranded wire.
- Compatible with 800VA copper/steel and step-down transformers. (applicable for low-voltage halogen lamp use)
- Applicable for 1000W incandescent lamps.

### WTFBP579120S-1

- Trailing edge circuit , proper for LED Bulbs.
- Applicable to most LED major bulb brand (We recommend customer to check before purchase).
- Easy to use .
- Can maintain the brightness by push OFF/ON function.
- Smooth dimming level for the LED bulb than normal dimmer.
- Short Circuit Protection, to protect the damage on product from the installation mistake the indication light will blink when the electric wire has connect L and N to dimmer.

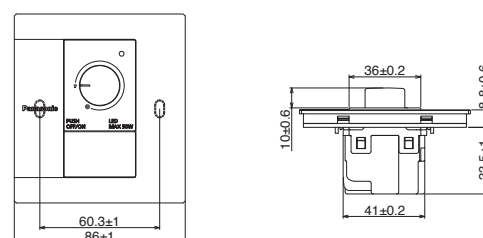
## Dimensions

### BS-TYPE Dimmer Switch



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

### LED Dimmer





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## Socket Outlets

**BS-TYPE** Switched Socket



WTFBP1111S-1\*

\*Comply only IEC60884-2-3



WTFBP11119S-1



WTFBP1112S-1\*



WTFBP11129S-1

### Technical Specifications

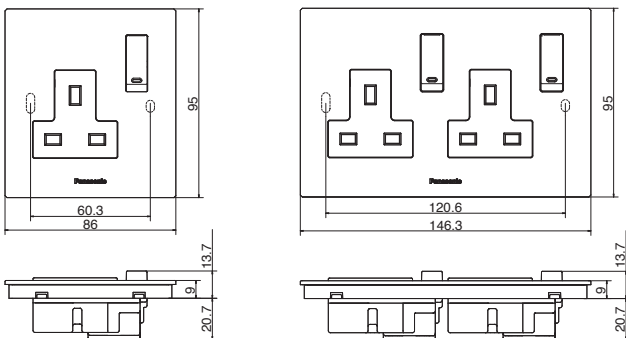
- ▶ Standards  
Comply with IEC60884-2-3 and BS1363-2
- ▶ Rating  
13A 250V~
- ▶ Ambient Temperature  
-10°C – +40°C
- ▶ Representative Performance
  - Electric strength : 2,000V 1 min
  - Operation test : 15,000 times (30,000 movements)
  - Temperature rise : Test current 20A (2.5 mm<sup>2</sup>)  
Not more than 52K (Terminals)
- ▶ Terminal  
Pillar Terminal II
- ▶ Applicable Wire  
1.5 mm<sup>2</sup> - 4 mm<sup>2</sup>  
15 AWG - 12 AWG
- ▶ Terminal Capacity
  - 1.5 mm<sup>2</sup> × 3
  - 2.5 mm<sup>2</sup> × 3
  - 4 mm<sup>2</sup> × 2

### Features

- Socket Outlet with a double-pole switch completely isolates load from power supply.
- Socket Outlet housing uses flame-retardant and heat-resistant urea resin with high anti-tracking properties.
- Accepts wires : 1.5 mm<sup>2</sup> - 4 mm<sup>2</sup> solid wire and flexible wire.
- Both socket and switch components have adequate switching capability.
- Included safety shutter prevents kids from tampering with switch.

### Dimensions

**BS-TYPE** Switched Socket



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

### Applicable Box

**BS-TYPE**



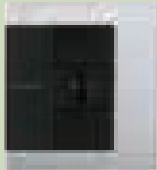
- ▶ Dimensions  
Plate : 95 x 86 mm  
Box : 72 x 72 mm  
Fixing Center : 60.3 mm



- ▶ Dimensions  
Plate : 95 x 146.3 mm  
Box : 72 x 132 mm  
Fixing Center : 120.6 mm

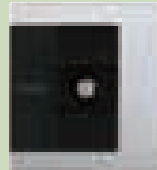
# Accessories - Television

## BS-TYPE DIN Type



WTFBP2501S-1

## F Type



WTFBP2731S-1

## Technical specifications

### WTFBP2501S-1

- ▶ Connector Type (Outlet) : DIN Type
- ▶ Terminal  
Screw Terminal  
(Only coaxial core isn't screw terminal type)
- ▶ Impedance Input, Outlet : 75Ω
- ▶ Applicable Cable  
Coaxial Cable  
Characteristic Impedance 75Ω type : 5C-2V, 3C-2V

### WTFBP2731S-1

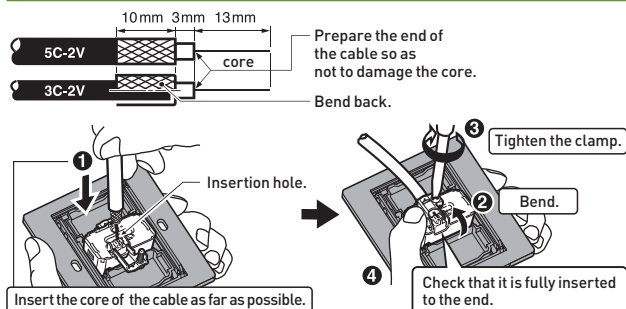
- ▶ Connector Type (Outlet) : F Type
- ▶ Terminal  
Screw Terminal  
(Only coaxial core isn't screw terminal type)
- ▶ Impedance Input, Outlet : 75Ω
- ▶ Applicable Cable  
Coaxial Cable  
Characteristic Impedance 75Ω type : S-5C-FB

## Features

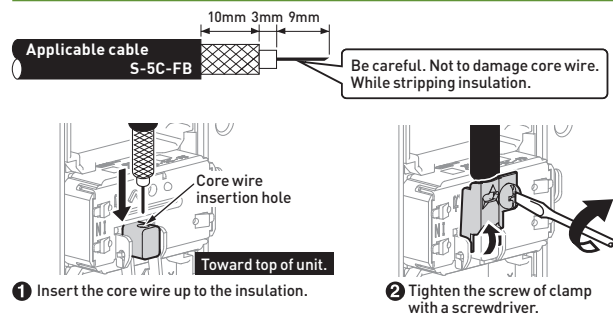
### "Easy Connect" terminal for direct insertion of coaxial cable core.

Insert fully and tighten clamp.

#### WTFBP2501S-1

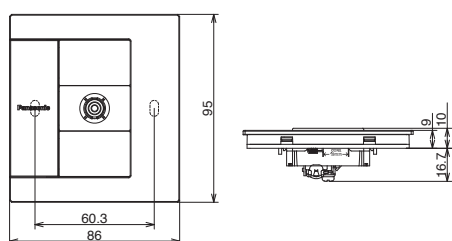


#### WTFBP2731S-1

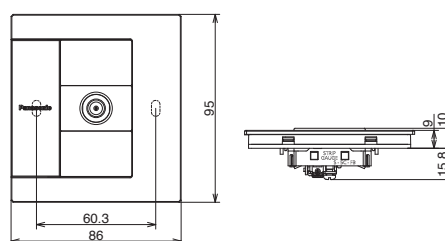


## Dimensions

### BS-TYPE DIN Type



### F Type



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

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## Accessories - Telephone

BS-TYPE 6P4C



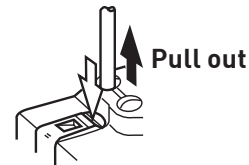
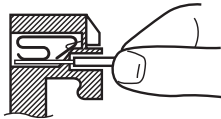
WTFBP2164S-1

### Technical Specifications

- ▶ Connector Type  
Miniature Modular Jack, 6 position with 4-contacts, specified in TIA-1096-A (Previously in FCC part 68)
- ▶ Terminal  
Quick Connect Terminal (Screwless Connection)
- ▶ Applicable Wire  
Paired quad-type PVC indoor cable : Core wire to be 0.4 mm, 0.5 mm, 0.65 mm, in diameter (solid copper only)  
2-pair Business-phone indoor cable : Core wire to be 0.4 mm, 0.5 mm, 0.65 mm, in diameter (solid copper only)

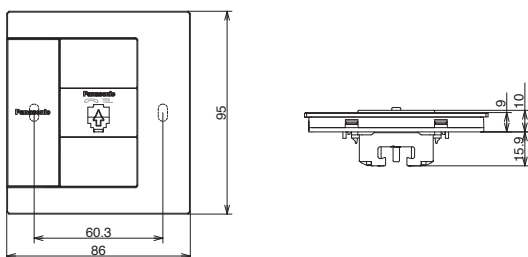
### Features

- Quick Connect Terminal increases connection reliability.
- Quick Connect Terminal for easy connection.
- Simple Connection  
Just insert cable into the terminal hole.
- Easy Cable Disconnection  
Push removal button while pulling out cable.



### Dimensions

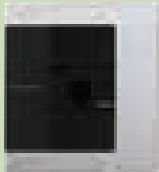
BS-TYPE 6P4C



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

# Accessories - LAN

**BS-TYPE** Category 6



WTFBP24886S-1

## Technical Specifications

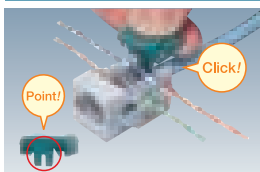
- ▶ Connector Type  
"8-way unshielded fixed connector (miniature 8-position modular jack)" specified in IEC 60603-7
- ▶ Terminal  
IDC connection
- ▶ Applicable Wire  
4-pair UTP cable, Category 6  
Conductor : Solid copper wire, 24 AWG - 22 AWG (diameter : 0.5 mm-0.65 mm)

## Features

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

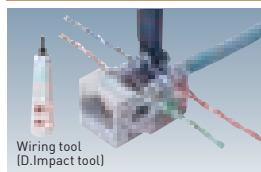
#### 2-way connection

##### Toolless



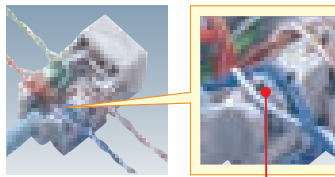
Cut the excess wires with nippers after connection

##### Using wiring tool



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

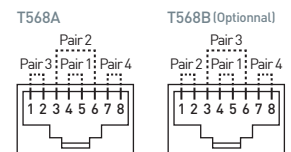
### 2 No need to untwist the wires.



Projection between the slots

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

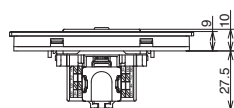
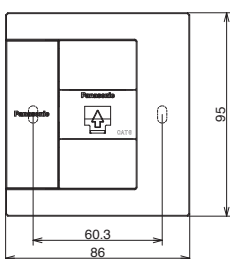
### Pin/Pair assignment



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** Category 6



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