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

- **WTFBP5006□-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

- **WTFBP540899□1K**
  1-Gang 1Way Switch 20A DP with Indicator Pillar Terminal

Socket Outlets

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

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

- **WTFBP1111□-1 (old model)**
  1-Gang 13A Switched Socket

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

Variety of Colors

- Silver
- Gold
- Brown
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

WTFBP5791103□-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 65A Terminal
**TECHNICAL DETAILS**

**FLATIMA SERIES  BS-TYPE**

**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.

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### 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 mm²) 17.5A (1.5 mm²) +10AX switch
    - Not more than 45K (Terminals)
- **Terminal**
  - Quick Connect Terminal
    - Screwless Terminal
  - Applicable Wire
    - 1.5 mm² - 2.5 mm²
    - 14 AWG - 12 AWG
  - Terminal Capacity
    - 1.5 mm²  × 1
    - 2.5 mm²  × 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)
Features

### Safety

- 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)

<table>
<thead>
<tr>
<th>Tracking Performance</th>
<th>Urea</th>
<th>PBT</th>
<th>Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Deformation</td>
<td>Good</td>
<td>Good</td>
<td>Fair</td>
</tr>
<tr>
<td>Self-Extinguishment</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>BS-TYPE</th>
<th>2Way Switch</th>
<th>Intermediate Switch</th>
<th>Push Button</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>BS-TYPE</th>
<th></th>
</tr>
</thead>
</table>

- **Dimensions**
  - Box : 72 x 72 mm
  - Fixing Center : 60.3 mm
  - Box’s depth : 35 mm or more
  - 41 mm or more (Intermediate)
**Technical Specifications**

- Standards
  - Comply with IEC60669-1
- Rating
  - 20A 250V~
- Ambient Temperature
  - 

**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)

**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 mm² - 6 mm² 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.*
TECHNICAL DETAILS

## Switches 45A

**FLATIMA SERIES BS-TYPE**

### 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 mm²)
    - Not more than 45K (Terminals)

- **Terminal**
  - Pillar Terminal
- **Applicable Wire**
  - [Solid] 4 mm²
  - [Stranded] 4 mm² - 16 mm²
  - [AWG] AWG 10 - AWG 6
- **Terminal Capacity**
  - 4 mm²  x  2
  - 6 mm²  x  2
  - 10 mm²  x  1
  - 16 mm²  x  1

### 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.

### Dimensions

**FLATIMA SERIES BS-TYPE**

*BS-TYPE : M3.5 mounting screws included.*
# Technical Specifications

**WTFBP5781103S-1**

- **Rating**: 220V - 240V~ 50/60Hz 1000W
- **Ambient Temperature**: 0°C – +35°C
- **Terminal**: Pillar Terminal
- **Applicable Wire**: 1 mm² - 4 mm²

**WTFBP579120S-1**

- **Rating**: 220V - 240V~ 50/60Hz 200W (LED50W)
- **Ambient Temperature**: 0°C – +35°C
- **Terminal**: Pillar Terminal
- **Applicable Wire**: 1 - 2.5 mm²
- **Applicable Load**: 40W - 200W (Incandescent Lamp)
- **Applicable Load**: 10VA to 200VA (Electronic Transformer)
- **Applicable Load**: 50W/Max 8 Lamps (LED Dimmable Bulbs)

### Features

**WTFBP5781103S-1**

- New pillar terminal accommodates 1 mm² - 4 mm² 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

<table>
<thead>
<tr>
<th><strong>BS-TYPE Dimmer Switch</strong></th>
<th><strong>LED Dimmer</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
</tbody>
</table>

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

---

**FLATIMA SERIES BS-TYPE**

**Dimmer Switches**

**BS-TYPE Dimmer Switch**

- **Model**: WTFBP5781103S-1

**LED Dimmer**

- **Model**: WTFBP579120S-1
TECHNICAL DETAILS

FLATIMA SERIES BS-TYPE

Socket Outlets

BS-TYPE Switched Socket

WTFBP1111S-1*  WTFBP1119S-1  WTFBP1112S-1*  WTFBP1129S-1

*Comply only IEC60884-2-3

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 mm²)
    - Not more than 52K (Terminals)

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 mm² - 4 mm² 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

Applicable Box

<table>
<thead>
<tr>
<th>BS-TYPE</th>
<th>Switched Socket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate</td>
<td>95 x 86 mm</td>
</tr>
<tr>
<td>Box</td>
<td>72 x 72 mm</td>
</tr>
<tr>
<td>Fixing Center</td>
<td>60.3 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BS-TYPE</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate</td>
<td>95 x 146.3 mm</td>
</tr>
<tr>
<td>Box</td>
<td>72 x 132 mm</td>
</tr>
<tr>
<td>Fixing Center</td>
<td>120.6 mm</td>
</tr>
</tbody>
</table>
**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.

**WTFBP2501S-1**
1. Insert the core of the cable as far as possible.
2. Bend back.
3. Tighten the clamp.
4. Prepare the end of the cable so as not to damage the core.
5. Check that it is fully inserted to the end.

**WTFBP2731S-1**
1. Insert the core wire up to the insulation.
2. Insert the core wire of the cable according to the core wire insertion hole.
3. Tighten the screw of clamp with a screwdriver.

**Dimensions**

**BS-TYPE DIN Type**

| Dimensions | 86 | 60.3 | 88 |

**F Type**

| Dimensions | 86 | 60.3 | 98 |

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

**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. No need to untwist the wires.

**Pin/Pair assignment**

<table>
<thead>
<tr>
<th>Pair</th>
<th>T568A</th>
<th>T568B (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>W/B</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>BL</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>BR</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>W/B</td>
<td>8</td>
</tr>
</tbody>
</table>

**Dimensions**

**BS-TYPE** Category 6

- **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. No need to untwist the wires.

**Pin/Pair assignment**

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<td>4</td>
<td>W/B</td>
<td>8</td>
</tr>
</tbody>
</table>

**Dimensions**

**BS-TYPE** Category 6

- **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]