FLATIMA SERIES BS-TYPE

FLATIMA SERIES

Switches 10AX/16AX

BS-TYPE 2Way Switch

WTFBP51512S-1

WTFBP52522S-1

Intermediate Switch

WTFBP5004S-1
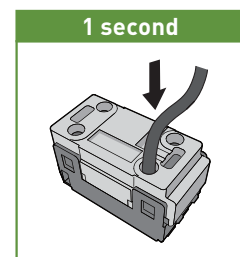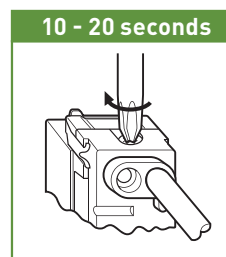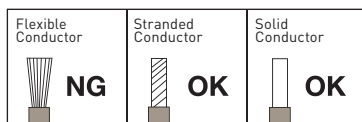
Push Button

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℃ − +40℃
▶ Representative Performance
·Electric strength : 2,000V 1 min
·Operation test   : 40,000 Operations
·Temperature rise : Test current 22A (2.5 mm^2)
17.5A (1.5 mm^2) *10AX switch
Not more than 45K (Terminals)

▶ Terminal
Quick Connect Terminal
(Screwless Terminal)
▶ Applicable Wire
1.5 mm^2 - 2.5 mm^2
14 AWG - 12 AWG
▶ Terminal Capacity
1.5 mm^2 × 1
2.5 mm^2 × 1
14 AWG × 1
12 AWG × 1

*Supply terminal (2way, Push Button) has 2 terminal holes.
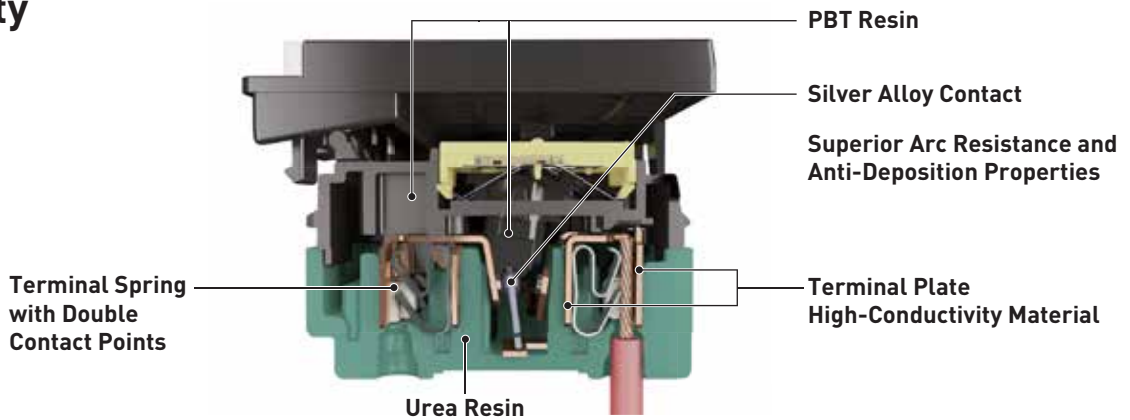
Features

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	Stranded Conductor	Solid Conductor
NG	OK	OK

10 - 20 seconds

1 second

Safety

PBT Resin

Silver Alloy Contact

Superior Arc Resistance and Anti-Deposition Properties

Terminal Spring with Double Contact Points

Terminal Plate High-Conductivity Material

Urea Resin

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.
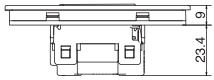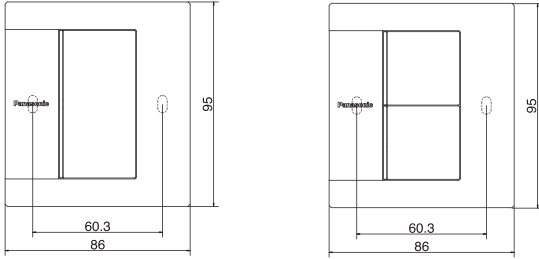
Sliding Cam
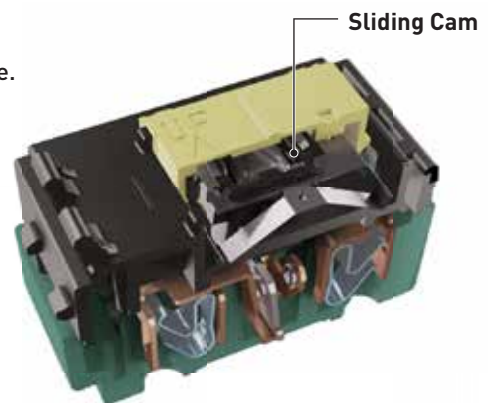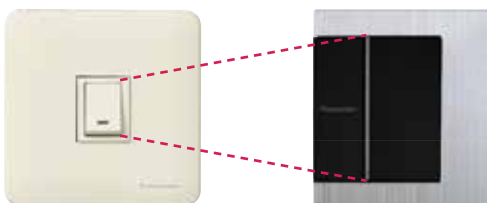
Switch Mechanism

● Panasonic proprietary Push On/Off mechanism used.

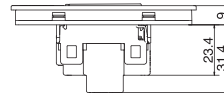● Switch automatically returns to original horizontal position after pushing.

Dimensions

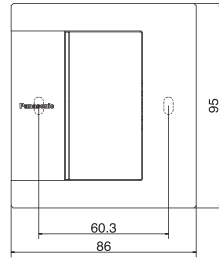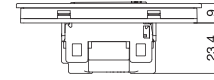**BS-TYPE** 2Way Switch   Intermediate Switch   Push Button

95
60.3
86

95
60.3
86

95
60.3
86

95
60.3
86

23.4 | 9
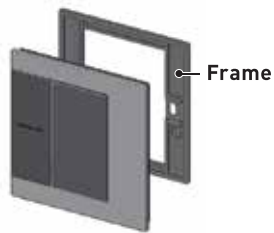23.4 | 9
31.4 | 23.4 | 9
23.4 | 9
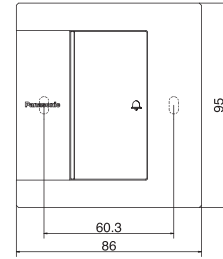
*BS-Type : M3.5 mounting screws included.

In Case Frame Removed

Frame

• Dimensions

25.4 | 7
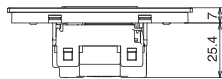
When the frames are removed, they will become flash plate height
to 7mm higher and depth of device to 2mm deeper
excepting Socket Outlet(1,2-Gang), Dimmer Switch and Cable Outlet(20A, 45A).

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)

FLATIMA
S E R I E S

Switches 20A

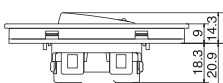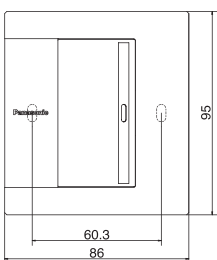**BS-TYPE** DP Switch with Indicator

WTFBP55137S-1

Technical Specifications

▶ Standards
Comply with IEC60669-1
▶ Rating
20A 250V~
▶ Ambient Temperature
-10℃ — +40℃
▶ 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 II
▶ Applicable Wire
2.5 mm² - 6 mm²
13 AWG - 10 AWG
▶ Terminal Capacity
2.5 mm² × 2
4 mm² × 1
6 mm² × 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 mm² - 6 mm² solid wire and flexible wire.
◯ Built-in lighted indicator shows On/Off status.

Dimensions

BS-TYPE DP Switch with Indicator

95
60.3
86
18.3 9
20.9 14.3

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

FLATIMA SERIES   BS-TYPE

FLATIMA
SERIES

Switches 45A

BS-TYPE DP Switch with Indicator

WTFBP5408699S-1

Technical Specifications

▶ Standards
Comply with BS3676:1989
▶ Rating
45A 250V~ (for a resistive circuit)
25A 250V~ (for a motor-load circuit)
▶ Ambient Temperature
-10℃ ― +40℃
▶ Representative Performance
·Electric strength   : 1,500V   1 min
·Operation test   : 10,000   Operations
·Temperature rise : Test current 51A (10mm²)
                         Not more than 45K (Terminals)

▶ Terminal
Screw Terminal
▶ Applicable Wire
4 mm² - 10 mm² Stranded wire
4 mm² - 6 mm² Solid wire
▶ Terminal Capacity
4 mm²   × 1
6 mm²   × 1
10 mm² × 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.
○ Accepts wires : 4 mm² - 10 mm² solid wire and flexible 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.

FLATIMA
SERIES
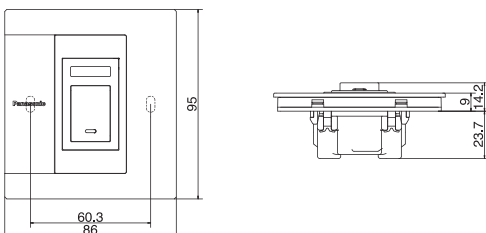
Dimmer Switches

BS-TYPE Dimmer Switch

WTFBP5781103S-1

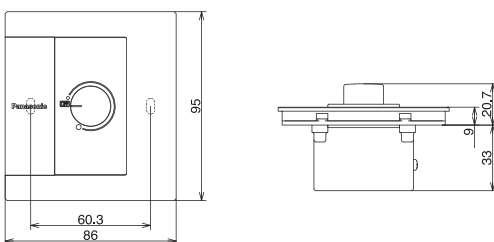## Technical Specifications

▶ Rating
220V‑240V~ 50/60Hz 1000W
▶ Ambient Temperature
0°C — +35°C

▶ Terminal
Pillar Terminal
▶ Applicable Wire
1 mm² ‑ 4 mm²

Features

◯ 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.

Dimensions

BS-TYPE Dimmer Switch

Panasonic

95

60.3
86

20.7
9
33

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

FLATIMA SERIES   BS-TYPE

FLATIMA
SERIES

Socket Outlets

BS-TYPE Switched Socket


WTFBP1111S-1

WTFBP1112S-1

Technical Specifications

▶ Standards
Comply with BS1363-2
▶ Rating
13A 250V~
▶ Ambient Temperature
-10℃ — +40℃
▶ 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 Ⅱ
▶ 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 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.
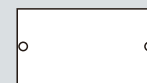
Dimensions

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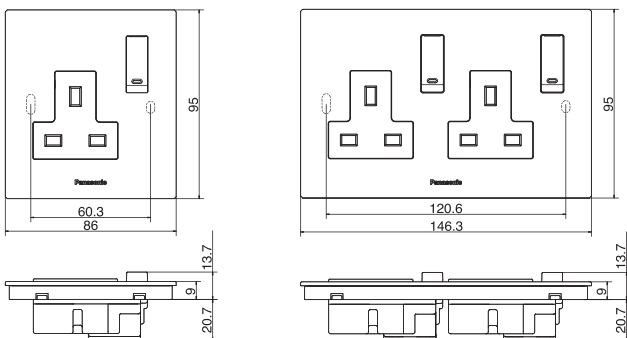
*BS-TYPE : M3.5 mounting screws included.

Applicable Box

BS-TYPE

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

▶ Dimensions
Plate　　　　　: 86 x 146 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
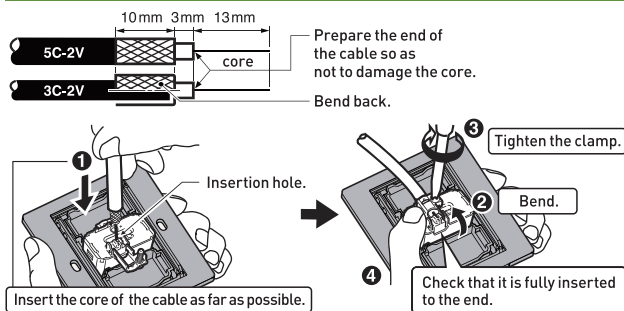
▶ Connector Type (Outlet) : F Type
▶ Terminal
   Screw Terminal
   (Only coaxial core isn't screw terminal type)
▶ Impedance Input, Outlet : 75Ω
▶ Applicable Cable
   Coaxial Cable
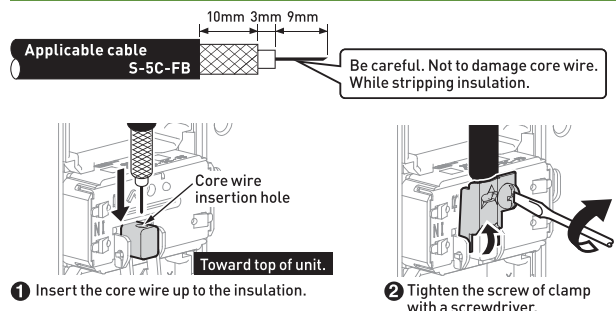   Characteristic Impedance 75Ω type : S-5C-FB

Features

"Easy Connect" terminal for direct insertion of coaxial cable core.
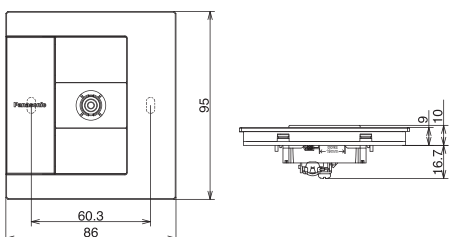
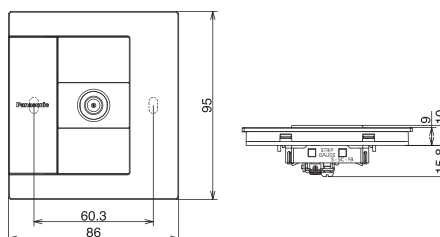Insert fully and tighten clamp.

WTFBP2501S-1

10mm 3mm 13mm

5C-2V

3C-2V

core

Prepare the end of
the cable so as
not to damage the core.

Bend back.

❶ Insertion hole.

❸ Tighten the clamp.

❷ Bend.

❹ Check that it is fully inserted
to the end.

Insert the core of the cable as far as possible.

WTFBP2731S-1

10mm 3mm 9mm

Applicable cable
S-5C-FB

Be careful. Not to damage core wire.
While stripping insulation.

Core wire
insertion hole

Toward top of unit.

❶ Insert the core wire up to the insulation.

❷ Tighten the screw of clamp
with a screwdriver.

Dimensions

BS-TYPE DIN Type

95

60.3
86

9
10
16.7

F Type

95

60.3
86

9
10
15.8

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

FLATIMA SERIES   BS-TYPE

FLATIMA
SERIES

Accessories - Telephone
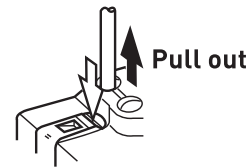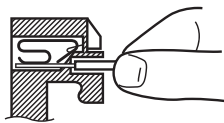
BS-TYPE 6P4C

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.

Pull out

Dimensions

BS-TYPE 6P4C

95

60.3
86

9
10
15.9

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

FLATIMA
SERIES
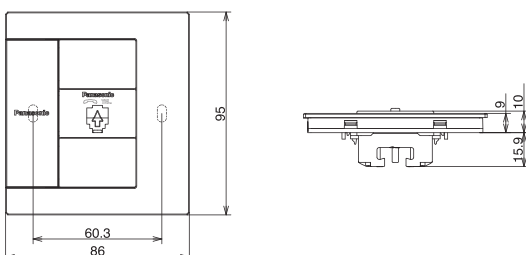
# Accessories - LAN

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
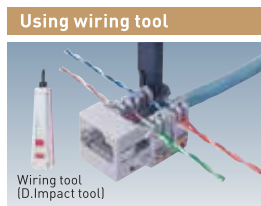Conductor : Solid copper wire, 22 AWG - 24 AWG (diameter : 0.5 mm-0.65 mm)

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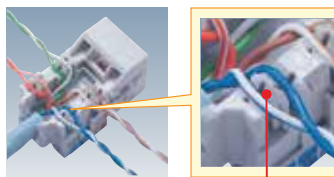
1 **It's not necessary to use special wiring tool.**

───── 2-way connection ─────

Toolless	Using wiring tool

Point!

Click!
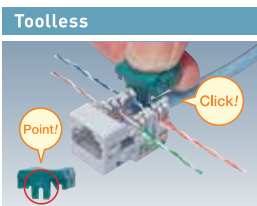
Wiring tool
(D.Impact tool)

Cut the excess wires with
nippers after connection

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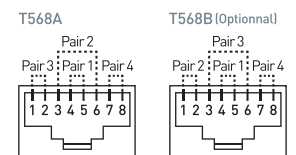the blade edge of the tool

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
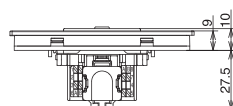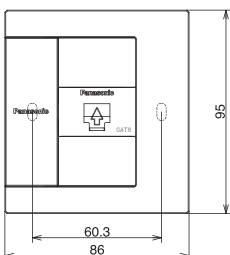quality and transmission performance.

Pin/Pair assignment

T568A

Pair 2
Pair 3 : Pair 1 : Pair 4

1 2 3 4 5 6 7 8

T568B (Optionnal)

Pair 3
Pair 2 : Pair 1 : Pair 4

1 2 3 4 5 6 7 8

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**

Panasonic

Panasonic

CAT6

95

60.3

86

9

10

27.5

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