**Technical Data**

**10 Amp 10 AX Switches**

**Brief product description:**

BG’s Nexus range of plate switches have been designed to perform at 10AX inductive loads. The Brushed Stainless Steel range of screwed flat-plate is suitable for domestic and commercial applications. The Fan Isolator switch has a triple pole switching design, however can be used for double pole applications if required.

**Features:**

- All switches 10 Amp, 10AX inductive rated
- Captive terminal screws
- Terminal capacity 4 x 1.0mm², 4 x 1.5mm², 2 x 2.5mm² & 1 x 4.0mm²
- Plate-switches manufactured to BS EN 60669-1, fan isolator to IEC 60669-2-4
- Minimum mounting box depth 25mm

**Product Images**

![Product Images](image1)

**Technical Specifications**

<table>
<thead>
<tr>
<th>Standard(s)</th>
<th>BS EN 60669-1(Plate-switches), IEC 60669-2-4(fan isolator)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>10 Amp, 10AX inductive rated</td>
</tr>
<tr>
<td>Contact Gap</td>
<td>3.0mm minimum</td>
</tr>
<tr>
<td>Terminal Capacity</td>
<td>4 x 1.0mm², 4 x 1.5mm², 2 x 2.5mm² &amp; 1 x 4.0mm²</td>
</tr>
<tr>
<td>RoHS Directive</td>
<td>No</td>
</tr>
<tr>
<td>WEEE Directive</td>
<td>No</td>
</tr>
<tr>
<td>Mounting Box Depth (Min)</td>
<td>25mm</td>
</tr>
<tr>
<td>Fixing Centres</td>
<td>60.3mm</td>
</tr>
<tr>
<td>Size</td>
<td>86.0mm x 86.0mm x 21.2mm</td>
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</table>

**Weights & Dimensions**

<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
<th>Pack Quantity</th>
<th>Dimension (W x L x H) cm</th>
<th>Weight (g)</th>
<th>CMB (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Each</td>
<td>Inner Box</td>
<td>Outer Box</td>
<td>Product</td>
</tr>
<tr>
<td>SBS12</td>
<td>1 gang, 2 way</td>
<td>1</td>
<td>10</td>
<td>100</td>
<td>3.3 x 9 x 9.2</td>
</tr>
<tr>
<td>SBS13</td>
<td>Intermediate</td>
<td>1</td>
<td>10</td>
<td>100</td>
<td>3.3 x 9 x 9.2</td>
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<tr>
<td>SBS15</td>
<td>3 pole fan isolator</td>
<td>1</td>
<td>10</td>
<td>100</td>
<td>3.3 x 9 x 9.2</td>
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<tr>
<td>SBS42</td>
<td>2 gang, 2 way</td>
<td>1</td>
<td>10</td>
<td>100</td>
<td>3.3 x 9 x 9.2</td>
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<tr>
<td>SBS43</td>
<td>3 gang, 2 way</td>
<td>1</td>
<td>10</td>
<td>100</td>
<td>3.3 x 9 x 9.2</td>
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</table>
Packaging Information

<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
<th>Cat No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>SBS12</td>
<td>1 gang, 2 way</td>
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<tr>
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<td>SBS42</td>
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<tr>
<td></td>
<td></td>
<td>SBS43</td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>

Installation Information

Safety Warning

Before use please read carefully and use in accordance with these safety wiring instructions.

Before commencing any electrical work ensure the supply is switched off at the mains. Either by switching off the consumer unit or by removing the appropriate fuse. Wiring should be in accordance with the latest edition of the IEE regulations (BS 7671).

Wire Identification – Twin & Earth Cable

EARTH = Green/Yellow sleeving
NEUTRAL = Black (pre Apr 04) / Blue (after Apr 04)
LIVE = Red (pre Apr 04) / Brown (after Apr 04)

The ends of the individual conductors should have the insulation removed by approx. 12mm. Any bare earth conductors should be sleeved to within 12mm of the ends. (These details are for general information only and conductor lengths may need to be trimmed in certain installations).

Technical Helpline: 0845 194 7584
If in doubt consult a competent electrician.

General Installation Instructions

1) If using the new product to replace an old one, note the cable connections and wire up new product in the same way as the old one, with Earthing as stated in these instructions.
2) Ensure the mounting box (metal or pattress) for either flush or surface mounting is the appropriate size for the product.
3) Route the cable through the most suitable entry point of the mounting box. If a metal box is used, a protective cable grommet should be used.
4) Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors so that an adequate length enters the terminals.
5) Carefully arrange the wiring to lie along the edges of the product or box, keeping the central area clear.
6) To assist with the correct installation please consult the appropriate wiring diagram on this leaflet.
7) When connecting the new accessory ensure that only the bare end of the wire enters the terminal, and no bare wires are visible.
8) Always tighten the terminal screws securely, but do not overtighten.
9) An earth connection should always be made between the mounting box earth terminal, and the accessory earth terminal, where fitted. If this earth wire is bare, it is essential that it is sheathed with a length of green/yellow sleeving.
10) Carefully position the accessory into the wall box, ensuring that no wires are trapped between the plate and the wall. Do not overtighten the screws. (Fit screw covers + clip-on)
11) Once work has been completed correctly, replace the fuse for the circuit, switch the power back on, and test.

* Note – if your installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

Two Way Switching

Two way switching is used where a light is controlled by two switches.

For multiple gang switches (2, 3, 4 & 6) repeat wiring method for each switch.
Bell Push
The bell push is a one way switch with a retractive rocker switch. Before installing, ensure a bell unit is suitable for supply voltage.

Intermediate Switching
Intermediate switching is used in installations that require three or more switches to control a light, and should be used together with two 2-way switches.

Fan Isolator - 3 Pole Switch
During repair or installation or routine maintenance the power supply to the fan unit must be disconnected. This isolating switch can be installed as shown in the diagrams to enable the remainder of the circuit to remain live.

Important
The continuity of the protective conductors must be maintained. The isolator switch shall be so situated as to be inaccessible to a person using a fixed bath or shower.

To maintain the high quality appearance of decorative finish switches and sockets, BG Electricals recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation. Please note that it can take several weeks for the chemicals in paint or wallpaper paste to become inert. Before this time there is a danger that they will react with the product if it has a metal faceplate.

BG recommends avoiding using, but not restricted to, the substances from becoming in contact with the decorative metal front-plates when cleaning or decorating:

- Adhesive tape, including masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

Using these items like those listed above may cause a degrading effect to the front-plates lacquer/plated finish, although the function will remain unaffected.