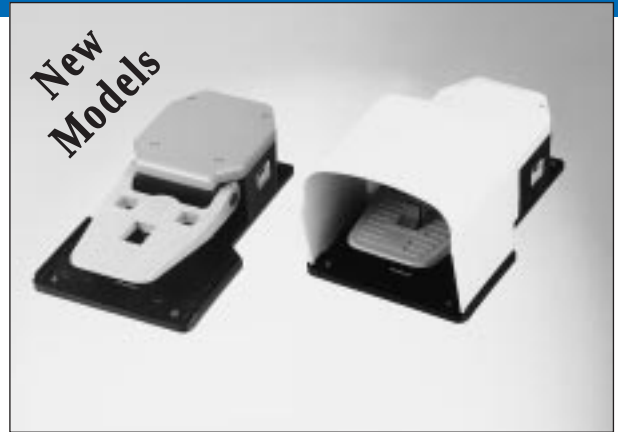


### Heavy duty footswitches with shrouded pedal to prevent accidental operation

- Large shroud to allow operators to wear industrial protective footwear
- Pedal interlock lever to prevent operation unless the operator's foot is fully inside the pedal shroud
- 10A 500VAC/600VDC rated
- Bifurcated contacts for low resistance and high reliability – suitable for switching low-level electronic currents
- Positive break of NC contacts for safety circuits in conformity with BS60947-5-1, VDE 0660 part 206 and IEC 337-1
- A second contact block can be fitted giving a total of four contacts in various combinations of NO and NC
- Unshrouded models (stop type) with red terminal cover
- Impact-resistant glass-reinforced thermoplastic housing
- Non-skid rubber feet plus floor-fixing holes if required
- Double insulated for electrical safety
- Mechanism protected against dirt and foreign matter
- Cable entry hole with PG13.5 thread
- IP65



### Options and ordering codes

#### Footswitches:

#### Additional contact blocks if required:

|                 |                                             |              |                       |
|-----------------|---------------------------------------------|--------------|-----------------------|
| <b>PX 10111</b> | Shrouded, snap-action 1NO + 1NC             | <b>B501</b>  | 1NO + 1NC snap-action |
| <b>PX 10311</b> | Shrouded, slow-action 1NO + 1NC             | <b>B601</b>  | 1NO + 1NC slow-action |
| <b>PX 10121</b> | Shrouded, latching, snap-action 1NO + 1NC   |              |                       |
| <b>PA 20101</b> | Unshrouded, snap-action 1NO + 1NC           | <b>B901</b>  | 2NC slow-action       |
| <b>PA 20321</b> | Unshrouded, latching, slow-action 1NO + 1NC |              |                       |
| <b>PA 20701</b> | Unshrouded, slow-action 2NC                 | <b>B1001</b> | 2NO slow-action       |

Many other footswitch models available including double-pedal types - contact IMO for availability

### Cable glands

Cable glands are available to enable standard multi-core cables to be connected without the use of conduit. Two sizes are possible:

| Part number     | Cable size |                               |
|-----------------|------------|-------------------------------|
| <b>PG13.5</b>   | ø9-12mm    | See previous page for diagram |
| <b>PG13.5/6</b> | ø6-9mm     |                               |

### Plug and socket footswitches

All PX series footswitches can be converted to a plug-in style by the addition of an adaptor. See previous page for diagram. The adaptor is screwed into the footswitch and the four flying leads connected to the four terminals of the contact block.

Suitable 4-wire plug leads are available – see pages 332 to 335

Ratings 250VAC/300VDC 3A IP67

**Note:** There is space under the terminal cover to allow the fitting of a small amount of control components, e.g. relays, terminal blocks etc., which should be secured to prevent interference with the footswitch mechanism.

### Contact blocks

The contact blocks can also be purchased separately without the footswitches and be used as stand-alone limit switches.

The contacts are electrically separated so it is possible to connect different voltages to NO and NC circuits i.e. Zb contacts. The NC contacts also have positive break, i.e. suitable for safety circuits. Contact arrangements:

|             | 1NO+1NC               |              | 1NO+1NC               |
|-------------|-----------------------|--------------|-----------------------|
| <b>B501</b> | 13 21<br>└─┐<br>14 22 | <b>B601</b>  | 13 21<br>└─┐<br>14 22 |
|             | 2NC                   |              | 2NO                   |
| <b>B901</b> | 11 21<br>└─┐<br>12 22 | <b>B1001</b> | 13 23<br>└─┐<br>14 24 |



Terminal screws: M3.5 with rising cable clamps. Maximum screw tightening torque: 0.8Nm (8kg cm).

### Specifications

|                                             |                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated thermal current I<sub>th</sub></b> | 10A                                                                                                                            |
| <b>Rated working voltage</b>                | 500VAC/600VDC                                                                                                                  |
| <b>Initial contact resistance</b>           | <25 mΩ                                                                                                                         |
| <b>Contact gap</b>                          | >2.5mm (2 x 1.25mm conforming to VDE 0660 part 206)                                                                            |
| <b>Contact material</b>                     | silver                                                                                                                         |
| <b>Dielectric strength</b>                  | 2000VAC, 50/60Hz for 1 minute between open contacts<br>2000VAC, 50/60Hz for 1 minute between current-carrying parts and ground |
| <b>Ambient operating temperature</b>        | -25 to +80 deg. C                                                                                                              |
| <b>Ambient humidity</b>                     | 95% r.h.                                                                                                                       |
| <b>Maximum wire size</b>                    | 2 x 1.5mm <sup>2</sup> flexible, 2 x 2.5mm <sup>2</sup> solid                                                                  |
| <b>Conduit entry</b>                        | PG13.5                                                                                                                         |

### Contact ratings

|                 |        |      |
|-----------------|--------|------|
| BS/EN 60947-5-1 |        |      |
| AC15            | 230VAC | 6A   |
|                 | 400VAC | 4A   |
|                 | 500VAC | 1A   |
| DC13            |        |      |
|                 | 24VDC  | 6A   |
|                 | 125VDC | 1.1A |
|                 | 250VDC | 0.4A |