## 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 $500 \mathrm{VAC} / 600 \mathrm{VDC}$ 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
- M echanism protected against dirt and foreign matter
- Cable entry hole with PG13.5 thread

IP65


## Options and ordering codes

## Footswitches:

| PX 10111 | Shrouded, snap-action 1NO +1NC | B501 | 1NO +1NC snap-action |
| :--- | :--- | :--- | :--- |
| PX 10311 | Shrouded, slow-action 1NO +1NC | B601 | 1NO +1NC slow-action |
| PX 10121 | Shrouded, latching, snap-action 1NO +1NC |  |  |
| PA 20101 | Unshrouded, snap-action 1NO +1NC | B901 | 2NC slow-action |
| PA 20321 | Unshrouded, latching, slow-action 1NO +1NC |  |  |
| PA 20701 | Unshrouded, slow-action 2NC | B1001 | 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 |  |
| PG13.5 | $\varnothing 9-12 \mathrm{~mm}$ | See previous page |
| PG13.5/6 | $\emptyset 6-9 \mathrm{~mm}$ | for diagram |

## 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

\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
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:
\end{tabular}} \& \multirow[t]{2}{*}{} \\
\hline \& \(1 \mathrm{NO}+1 \mathrm{NC}\) \& \& \(1 \mathrm{NO}+1 \mathrm{NC}\) \& \\
\hline B501 \& \[
\begin{array}{ll}
13 \& 21 \\
t_{1}^{1}-4 \\
1 \& -4
\end{array}
\] \& B601 \& 13

$r_{1}+21$
14
14 \& <br>
\hline \& 2NC \& \& 2NO \& with rising cable clamps. <br>

\hline B901 \& $\begin{array}{lll}11 \\ 4 & 21 \\ 4 & -4 \\ 12 & 22\end{array}$ \& B1001 \& | 13 |  |
| :--- | :--- | :--- |
| 4 |  |
| 4 |  |
| 14 | 1 |
| 14 |  |
| 24 |  | \& M aximum screw tightening torque: 0.8 Nm ( 8 kg cm ). <br>

\hline
\end{tabular}

## Specifications

| Rated thermal current Ith |  |
| :--- | :---: |
| Rated working voltage | 10 A |
| Initial contact resistance | $500 \mathrm{VAC} / 600 \mathrm{VDC}$ |
| Contact gap | 25 mOhms |
| Contact material | $>2.5 \mathrm{~mm}(2 \times 1.25 \mathrm{~mm}$ conforming to VDE 0660 part 206 $)$ |
| Dielectric strength | silver |
| Ambient operating temperature | $2000 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$ for 1 minute between open contacts |
| Ambient humidity | $2000 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$ for 1 minute between current-carrying parts and ground |
| Maximum wire size | -25 to +80 deg. C |
| Conduit entry | $95 \%$ r.h. |

## Contact ratings

| $\mathrm{BS} / \mathrm{EN}$ |  | 60947-5-1 |
| :--- | ---: | ---: |
| AC15 | 230VAC | 6 A |
|  | 400VAC | 4 A |
|  | 500VAC | 1 A |
|  |  |  |
| DC13 |  |  |
|  | 24VDC | 6 A |
|  | 125VDC | 1.1 A |
|  |  |  |

