

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:

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	ø9-12mm	See previous page for diagram
PG13.5/6	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
B501	13 21 └─┴─┘ 14 22	B601	13 21 └─┴─┘ 14 22
	2NC		2NO
B901	11 21 └─┴─┘ 12 22	B1001	13 23 └─┴─┘ 14 24



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

Specifications

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