



**herga**  
switching and sensing solutions

- Pressure & Vacuum Switches
- Airswitching Systems
- Hand Controls
- Footswitches
- Medical Switches
- Safety Switches

**PRESSURE & VACUUM SWITCHES**



**AIRSWITCHING SYSTEMS**



**HAND CONTROLS**



**FOOTSWITCHES**



**MEDICAL**



**SAFETY**



## 6251 : Heavy Duty Footswitches

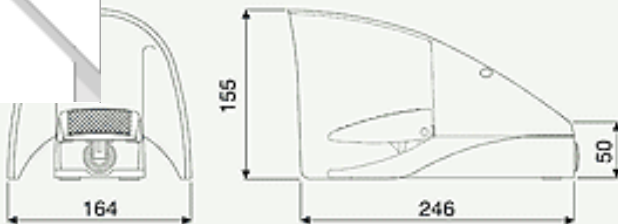
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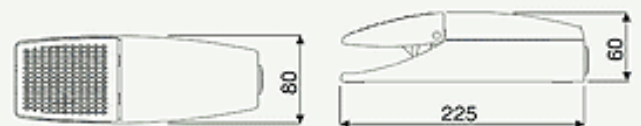
### Benefits

- ❖ Average life expectancy 1x10<sup>6</sup> operations
- ❖ Rugged high performing heavy duty footswitch
- ❖ Waterproof to IP67, IP68 upon request
- ❖ Choice of colours
- ❖ Distinctive styling
- ❖ Screw terminals and self-lifting clamp for connection of flexible leads 2 x 1.5mm<sup>2</sup> or wire up to 2 x 2.5mm<sup>2</sup>
- ❖ Available in your own livery for a small cost
- ❖ Competitively priced for OEM users

Guard Option



Cover Option



6251 -    **A** -   **Z**  **0**

1. Model Number

2. Cover and Guard Colours

- |                  |                  |
|------------------|------------------|
| A Cover - Yellow | B Guard - Yellow |
| C Cover - White  | D Guard - White  |
| E Cover - Blue   | F Guard - Blue   |
| G Cover - Orange | H Guard - Orange |
| M Cover - Red    | N Guard - Red    |

**2. Cover and Guard Colours**

A Cover - Yellow  
 C Cover - White  
 E Cover - Blue  
 G Cover - Orange  
 M Cover - Red

B Guard - Yellow  
 D Guard - White  
 F Guard - Blue  
 H Guard - Orange  
 N Guard - Red

**3. Base Colour**

A Black                      B White                      C Silver Grey

**4. Threading / Hole Information**

A Single Back Entry 20mm  
 B Single Back Entry PG 13.5 Gland Thread  
 C Double Side Entry 20mm Gland Thread  
 D Double Side Entry PG 13.5 Gland Thread

**5. Tread Colour**

A Black

**6. Action - First letter denotes the action, second letter denotes the electrical rating in section 7 (please note the choice of action dictates the electrical rating)**

AA Momentary, Slow Make and Break  
 BB Momentary, Snap Action Make and Break  
 CB Alternate Action, Snap Action Make and Break  
 DB Momentary, 2 Pole Snap Action Make and Break  
 EA Momentary, 2 Pole Slow Make and Break  
 F Double Pole, Double Action, V3 Single Break, Snap Action  
 G Double Pole, Double Throw, V3 Single Break, Snap Action

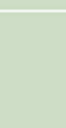
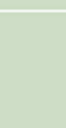

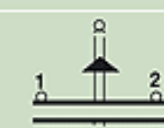
**Note:** For options F and G please select E, F or G below only

**7. Electrical Rating**

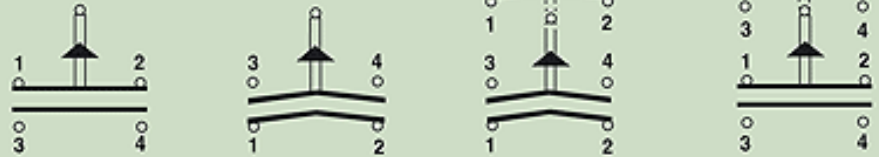
A Slow Make and Break Ve 230 6A AC-15 Ve 500 10A AC-12  
 B Snap Action Vi 230 6A AC-15 Vi 500 10A AC-12  
 E V3 Silver Contacts C/Over (3 Off 6.3mm Amp Tags) 21A 250V ac  
 F V3 Gold Contacts C/Over (3 Off 6.3mm Amp Tags) 0.1A 250V ac  
 G V3 Silver Contacts C/Over (3 Off 6.3mm Amp Tags) 25A 250V ac

**8. Emergency Stop**

Z No Emergency stop fitted

Design	To EN 60204-1			
IP Rating	The electrical housing has an environmental rating of IP67 (IP68 upon request)			
Approvals	Switches to EN 61058			
Rated Operational Voltage	500V ac, over 380V ac same potential only			
Rated Operational Current	10A	380V	AC1	
	10A	110V	AC1	
	6A	500V	AC1	
	6A	250V	AC11	
	6A	110V	AC11	
	<b>Note:</b> When the footswitch is supplied with a pre-wired cordset the cordset rating will take precedence over the footswitch rating. The rating will be marked somewhere on the cordset.			
Contact Configuration	Normally open / normally closed			
Contact Gap	>3mm suitable for mains isolation			
Temperature Operating Range	-25°C to +60°C			
Mechanical Endurance	1x10 <sup>6</sup> operations			
Electrical Life Expectancy At Category AC-15	0.5 x 10 <sup>6</sup> switching cycles when interrupting AC-11 6A at 250V			
Terminals	Screw terminals with self-lifting clamps for connection of flexible leads Minimum 2 x 1.5mm <sup>2</sup> Standard Conductor Maximum 2 x 2.5mm <sup>2</sup> Standard Conductor			
Action Type from Order Code	A	B/C	D	E
Connection Diagram	1 Pole Slow Make Slow Break	1 Pole Snap Action	2 Pole Snap Action	2 Pole Slow Make Slow Break
Limit Switches				

Limit Switches  
(Other switching sequences are available upon request)



### MICROSWITCHES 21A

Average Life Expectancy	Mechanical	1.0 x 10 <sup>6</sup>		
	Electrical	2.0 x 10 <sup>5</sup> @ 10A	1.0 x 10 <sup>4</sup> @ 21A	
		Max. Electrical Load		
	Voltage	Resistive	Inductive	Motor (Pi0.75)
AC	250V	21A	8A	2HP
	250V	21A		
	125V	21A		1HP
DC	6V	21A	21A	
	12V	15A	15A	
	24V	8A	7A	
	60V	1A	0.5A	
	110V	0.5A	0.2A	
	220V	0.25A	0.1A	

### GOLD CONTACT MICROSWITCHES

Average Life Expectancy	Mechanical	1.0 x 10 <sup>6</sup>		
	Electrical	2.0 x 10 <sup>5</sup> @ 0.1A		
		Max. Electrical Load		
	Voltage	Resistive	Inductive	Motor (Pi0.75)
AC	250V	0.1A	0.05	N/A
UL/CSA Only	125V	0.1A	---	---

Notes: Dry Switching  
These switches must be used for low power circuits i.e. low current (4 to 100 milliamperes) and low voltage (below 30V), consult herga for further advice.

### MICROSWITCHES 25A

Average Life Expectancy	Mechanical	1.0 x 10 <sup>6</sup>		
	Electrical	1.0 x 10 <sup>5</sup> @ 1.0A		
		Max. Electrical Load		
	Voltage	Resistive	Inductive	Motor (Pi0.75)
AC	250V	25A		2HP
	250V	25A		2HP
UL/CSA Only	125V	25A		1HP

In all applications except where protective extra low voltage (PELV) circuits are being switched, an earth conductor must be installed. The earth conductor should be rated in accordance with the prevailing standards.

Microswitch Standards: EN 60730 EN 61058 and UL 508  
Microswitch Approvals: ENEC, CSA, UL

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