

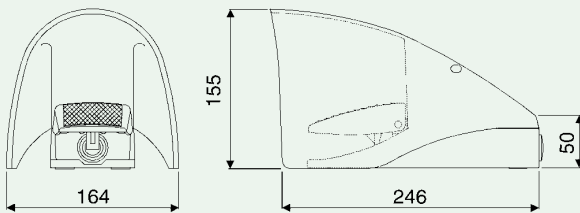
## 6251 ~ Heavy Duty Footswitch



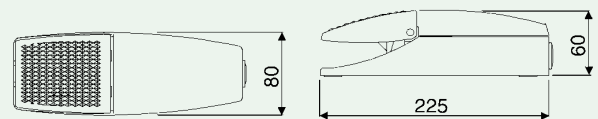
### Benefits

- ❖ 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    |

#### 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

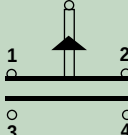
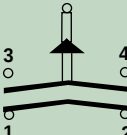
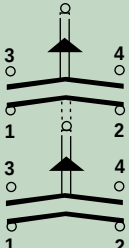
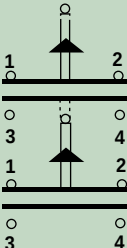
#### 7. Electrical Rating

- |   |                                                              |
|---|--------------------------------------------------------------|
| A | Slow Make and Break 380V 10A 500V 6A                         |
| B | Snap Action 380V 10A 500V 6A                                 |
| 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 277V ac |

#### 8. Emergency Stop

- |   |                          |
|---|--------------------------|
| Z | No Emergency stop fitted |
|---|--------------------------|

## 6251 ~ Heavy Duty Footswitch

|                                                                                                                                                                                               |                                                                                                                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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<br>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<br>Minimum 2 x 1.5mm <sup>2</sup> Standard Conductor<br>Maximum 2 x 2.5mm <sup>2</sup> Standard Conductor |                                                                                     |                                                                                       |                                                                                       |
| Action Type from Order Code                                                                                                                                                                   | A                                                                                                                                                                                   | B                                                                                   | C                                                                                     | D                                                                                     |
| Connection Diagram                                                                                                                                                                            | 1 Pole<br>Slow Make<br>Slow Break                                                                                                                                                   | 1 Pole<br>Snap Action                                                               | 2 Pole<br>Snap Action                                                                 | 2 Pole<br>Slow Make<br>Slow Break                                                     |
| Limit Switches<br>(Other switching sequences<br>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 (Pf0.75) |
| AC                      | 250V       | 21A                         | 8A                          | 2HP            |
|                         | 250V       | 21A                         |                             | 1HP            |
|                         | 125V       | 21A                         |                             |                |
| DC                      | 6V         | 21A                         | 21A                         |                |
|                         | 12V        | 15A                         | 15A                         |                |
|                         | 24V        | 8A                          | 7A                          |                |
|                         | 60V        | 1A                          | 0.5A                        |                |
|                         | 110V       | 0.5A                        | 0.2A                        |                |
|                         | 220V       | 0.25A                       | 0.1A                        |                |

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: CE, BEAB, CSA, DEMCO, IMQ, KEMA, NEMCO, OVE, SEMCO, SETI, SEV, UL, VDE

### GOLD CONTACT MICROSWITCHES

| Average Life Expectancy                                                                                                                                                            | Mechanical | 1.0 x 10 <sup>6</sup>        |           |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------|-----------|----------------|
|                                                                                                                                                                                    | Electrical | 2.0 x 10 <sup>5</sup> @ .01A |           |                |
|                                                                                                                                                                                    |            | Max. Electrical Load         |           |                |
|                                                                                                                                                                                    | Voltage    | Resistive                    | Inductive | Motor (Pf0.75) |
| AC                                                                                                                                                                                 | 250V       | 0.1A                         | 0.05      | N/A            |
| UL/CSA Only                                                                                                                                                                        | 125V       | 0.1A                         | ---       | ---            |
| Notes: Dry Switching<br>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 (Pf0.75) |
| AC                      | 277V       | 25A                          |           | 2HP            |
|                         | 250V       | 25A                          |           | 2HP            |
| UL/CSA Only             | 125V       | 25A                          |           | 1HP            |