E-Series
M-Series

E-Series switch with ‘A’ style body

M-Series switch with ‘A’ style body

M-Series switch with ‘D’ style body

M-Series switch with ‘E’ style body

E-Series and M-Series

- Compact
- Simple clip mounting minimises installation time
- 3 body styles available
- Low current rating

E-Series

- All locks coded alike
- Glass-filled polyester switch housing, lock body and keys

M-Series

- Three lock coding options:
  - all locks alike – from 10 possible code choices
  - run-of-production coding – from a maximum of 200 codes
  - unique customer selected key code
- Glass-filled polyester switch housing, diecast lock body and metal keys

Burgess
Specifications

Moulding material:
Glass-filled polyester (PBT)

Contacts:
Gold-plated phosphor-bronze
(moving contacts)
Gold-plated brass
(fixed contacts)

Terminals:
Gold-plated brass pins
1.01mm diameter x 3.30mm

Temperature range:
~20°C to +60°C

Mechanical life:
50,000 operations

Voltage proof:
1kV for 1 minute (terminals to earth)

Number of switch positions:
2, 3 or 4

Indexing:
90°
(40° for spring-biased actions)

Finish:
Matt black

Fixing:
Retaining clip

Recommended Max. Electrical Ratings

<table>
<thead>
<tr>
<th>Voltage (VDC)</th>
<th>Resistive load (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>100</td>
</tr>
</tbody>
</table>

E-Series
M-Series

Burgess
### Keycode
(M-Series only)

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key number</th>
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<tbody>
<tr>
<td>B</td>
<td>001</td>
</tr>
<tr>
<td>M</td>
<td>Run-of-production coding, between 031 and 200</td>
</tr>
<tr>
<td>C</td>
<td>002</td>
</tr>
<tr>
<td>D</td>
<td>003</td>
</tr>
<tr>
<td>E</td>
<td>004</td>
</tr>
<tr>
<td>F</td>
<td>005</td>
</tr>
<tr>
<td>G</td>
<td>006</td>
</tr>
<tr>
<td>H</td>
<td>007</td>
</tr>
<tr>
<td>J</td>
<td>008</td>
</tr>
<tr>
<td>K</td>
<td>009</td>
</tr>
<tr>
<td>L</td>
<td>010</td>
</tr>
<tr>
<td>N</td>
<td>Unique customer selected code, between 011 and 030</td>
</tr>
</tbody>
</table>

### Switching function

<table>
<thead>
<tr>
<th>Reference</th>
<th>Switching function</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Changeover</td>
</tr>
<tr>
<td></td>
<td>Single pole</td>
</tr>
<tr>
<td>E</td>
<td>Changeover</td>
</tr>
<tr>
<td></td>
<td>Double pole</td>
</tr>
<tr>
<td>J</td>
<td>3 circuit selector</td>
</tr>
<tr>
<td></td>
<td>0-0</td>
</tr>
<tr>
<td>C</td>
<td>3 position changeover</td>
</tr>
<tr>
<td></td>
<td>Centre off</td>
</tr>
<tr>
<td>D</td>
<td>1-1 and 2-2</td>
</tr>
<tr>
<td></td>
<td>Single pole</td>
</tr>
<tr>
<td></td>
<td>Make-before-break</td>
</tr>
<tr>
<td>G</td>
<td>Changeover Centre off</td>
</tr>
<tr>
<td></td>
<td>Double pole</td>
</tr>
<tr>
<td>H</td>
<td>1-1 and 2-2</td>
</tr>
<tr>
<td></td>
<td>Double pole</td>
</tr>
<tr>
<td></td>
<td>Make-before-break</td>
</tr>
<tr>
<td>I</td>
<td>0-1-2</td>
</tr>
<tr>
<td></td>
<td>Single pole</td>
</tr>
<tr>
<td>K</td>
<td>4 circuit selector</td>
</tr>
<tr>
<td></td>
<td>Fully rotary</td>
</tr>
<tr>
<td>L*</td>
<td>4 circuit selector</td>
</tr>
<tr>
<td></td>
<td>Stopped between 9 and 12 o’clock</td>
</tr>
<tr>
<td>M</td>
<td>Off-on</td>
</tr>
<tr>
<td></td>
<td>Spring-biased off</td>
</tr>
<tr>
<td>N</td>
<td>Off-on</td>
</tr>
<tr>
<td></td>
<td>Spring-biased off</td>
</tr>
<tr>
<td>P</td>
<td>Spring-biased to centre off</td>
</tr>
<tr>
<td></td>
<td>Double pole</td>
</tr>
<tr>
<td>R</td>
<td>Changeover centre off</td>
</tr>
<tr>
<td></td>
<td>Clockwise biased to centre off</td>
</tr>
<tr>
<td></td>
<td>Single pole</td>
</tr>
</tbody>
</table>

*momentary switching function – spring return mechanism*

#### Key trapping
- Key trapped in indexed position

<table>
<thead>
<tr>
<th>Reference</th>
<th>←</th>
<th>↑</th>
<th>←</th>
<th>↓</th>
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<tbody>
<tr>
<td>A</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>G</td>
<td></td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>J</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>L</td>
<td></td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>P</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

*M-Series only

#### Standard Option
- Dark shading
- Light shading

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4
# Ordering References

## Switch range

<table>
<thead>
<tr>
<th></th>
<th>Static discharge resistance</th>
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<tbody>
<tr>
<td>E1</td>
<td>30kV</td>
</tr>
<tr>
<td>M1</td>
<td>7kV</td>
</tr>
<tr>
<td>M2</td>
<td>14kV</td>
</tr>
<tr>
<td>M3</td>
<td>20kV</td>
</tr>
<tr>
<td>M4</td>
<td>25kV</td>
</tr>
</tbody>
</table>

## Key code – see page 4

<table>
<thead>
<tr>
<th>E-Series</th>
<th>M-Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B, M</td>
</tr>
</tbody>
</table>

## Key trapping – see page 4

| A, C, Q | B, D, E, F, G, H, J, K, L, N |

## Body style – see page 2

| A, E* | D* |

* M-Series only

## Body colour

- A Matt black

## Terminals

- A 1.01mm x 3.30mm gold-plated

## Switching function – see page 4


## Suffix (options)

- K – followed by required number of keys per lock if different from the 2 keys supplied as standard