CHERRY MX SILENT RED

Models may vary from the image shown

Silent CHERRY MX keyswitch with patented (patent pending) noise reduction

Silent CHERRY MX keyswitch - the original with no compromises. The patented (patent pending) noise reduction reliably minimises any operating noises. This is the most silent form of quality, precision and reliability.

Key benefits

• Red switch: Without pressure point, linear light actuation - switching function with a defined force of approx. 45 cN without contact feedback
• Noise-optimised MX keyswitch version with the worldwide unique Gold Crosspoint contact technology.
• The only solution from a single source: patented (patent pending) noise reduction with integrated 2-component stem.
• Reliable reduction of bottom-out and top out noise
• Noise reduction takes place in the glass-fibre reinforced base, regardless of 3rd party solutions on the keyswitch.
• Precision “Made in Germany” with a short bounce time of < 5 ms
• Self-cleaning contacts, resistant to dust and dirt
• Over 50 million strokes per keyswitch without compromising on quality.
• Long-lasting safe switching performance in the renowned “Original CHERRY quality” tried-and-tested a billion times over.

Technical Data:

Keymodule:

• Switch type: MX
• Protection class: IP40
• Operation characteristics: RED SWITCH SILENT Linear (45 cN)

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• Fastening: Product dependant, see table "Models"
• Switching voltage: 12 V AC/DC max.
• Switching current: 10 mA AC/DC max.
• Dielectric strength: 500 V / 50Hz
• Durability: > 50 million actuations
• Contact configuration: Single-pole contact
• Actuator travel: 3.7 -0.4 mm
• Pretravel: 1.9 ± 0.6 mm
• Initial force: 30 cN min.
• Actuation force: 45 ± 15 cN
• Bounce time: < 5 ms (during actuation with 0.4 m/s)
• Standard lead spacing: 19.05 mm (16 mm min.)
• Decoupling diode: Product dependant, see table "Models"
• Wire jumper: Product dependant, see table "Models"
• Insulation materials: Thermoplastics (min.UL 94 HB)
• Spring: Stainless steel
• Contacts: High-quality gold alloy
• Storage Temperature: -40°C to 70°C
• Operating Temperature: -10°C to 70°C
• Humidity: Storage: average <50% max. 3 months / 75% max. 15 days, operation: 5% to 95% without condensation

For detailed information and the layout of the details described above, please do not hesitate to ask for our technical specifications and drawing.

Warranty:

2 years

Errors, technical changes and delivery possibilities excepted.

Technical information refers only to the specifications of the products. Features may differ from the information provided.
## Models:

<table>
<thead>
<tr>
<th></th>
<th>Product name</th>
<th>Order number</th>
<th>Fastening</th>
<th>Decoupling diode</th>
<th>Wire jumper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHERRY MX SILENT RED</td>
<td>MX3A-L1DN</td>
<td>Snap fastening in frame</td>
<td>yes</td>
<td>no</td>
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<tr>
<td>2</td>
<td>CHERRY MX SILENT RED</td>
<td>MX3A-L1DW</td>
<td>Fixing pins in the printed circuit board</td>
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<td>MX3A-L1JW</td>
<td>Fixing pins in the printed circuit board</td>
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<tr>
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<td>MX3A-L1NN</td>
<td>Snap fastening in frame</td>
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<tr>
<td>5</td>
<td>CHERRY MX SILENT RED</td>
<td>MX3A-L1NW</td>
<td>Fixing pins in the printed circuit board</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>