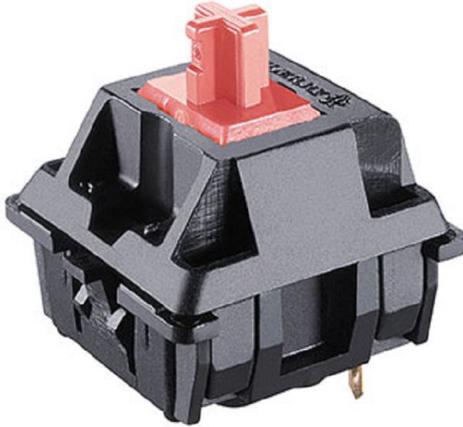


## CHERRY MX SILENT RED



*Models may vary from the image shown*

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

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

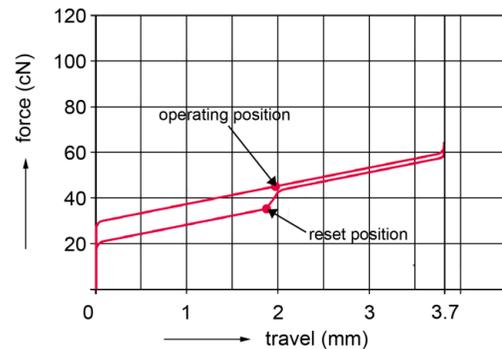
#### Key Benefits

- Red switch: Without pressure point, linear light actuation - switching function with a defined force of approx. 45 cN without contact feedback
- Noise-optimized 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-fiber 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.
- Fastening: Product dependent, see table "Models"
- Switching voltage: 12 VAC/DC max.

#### Technical Data:

##### Keymodule:

- Switch Type: MX
- Protection Class: IP40
- Operation Characteristics: RED SWITCH SILENT Linear (45 cN)



- Switching Current: 10 mA AC/DC max.
- Dielectric Strength: 500V / 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 dependent, see table "Models"
- Wire Jumper: Product dependent, 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

#### Warranty:

- 2 Years



**Models:**

|   | Product Name         | Part Number | Fastening                                | Decoupling Diode | Wire Jumper |
|---|----------------------|-------------|--|------------------|-------------|
| 1 | CHERRY MX SILENT RED | MX3A-L1DN   | Snap fastening in frame                  | yes              | no          |
| 2 | CHERRY MX SILENT RED | MX3A-L1DW   | Fixing pins in the printed circuit board | yes              | no          |
| 3 | CHERRY MX SILENT RED | MX3A-L1JW   | Fixing pins in the printed circuit board | no               | yes         |
| 4 | CHERRY MX SILENT RED | MX3A-L1NN   | Snap fastening in frame                  | no               | no          |
| 5 | CHERRY MX SILENT RED | MX3A-L1NW   | Fixing pins in the printed circuit board | no               | no          |

Cherry Americas, LLC  
11200 88th Avenue  
Pleasant Prairie, WI 53158  
USA

Phone: 262.942.6508

Internet: [www.cherryamericas.com](http://www.cherryamericas.com)

E-Mail: [keyboardsupport@cherryamericas.com](mailto:keyboardsupport@cherryamericas.com)

The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice. Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

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