

CHERRY MX SILENT RGB RED



Models may vary from the image shown

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

Uncompromising. CHERRY MX SILENT RGB keyswitch. The CHERRY original in its quietest and most illuminant form. Patented (patent pending) noise reduction combined with 16.7 million colors and worldwide unique Gold Crosspoint technology.

Key Benefits

- RGB red switch: Without pressure point, linear light actuation - switching function with a defined force of approx. 45 cN without contact feedback
- Noise optimized MX-RGB keyswitch version optimized for use with SMD LEDs (RGB or single color)
- The only solution from a single source: patented (patent pending) noise reduction with integrated 2-component stem and worldwide unique Gold Crosspoint contact technology
- Minimizes bottom-out and top out noise.
- Even illumination with optimized, transparent casing and scattering surface including lens.
- Option to use all 16.7 million RGB colors in high luminosity (scope of supply does not include LED)
- SMD LEDs directly mounted on the circuit board for cost-efficient, fully automated production
- 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.

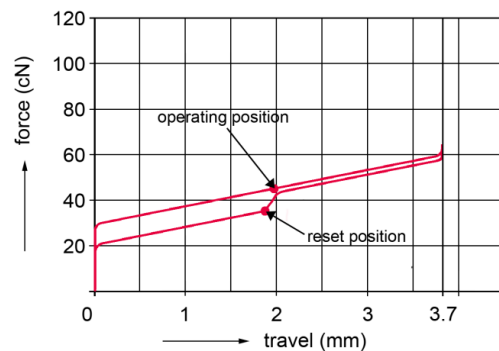
Technical Data:

Housing Color:

- Transparent cover, plain base

Keymodule:

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



- Fastening: Product dependent, 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.)
- Lighting: SMD LED can be mounted directly on the circuit board (not included in the module), opening for SMD LED in the base.
- Decoupling Diode: no
- Wire Jumper: no
- 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
1	CHERRY MX SILENT RGB RED	MX3A-L1NA	Snap fastening in frame
2	CHERRY MX SILENT RGB RED	MX3A-L1NB	Fixing pins in the printed circuit board

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