CHERRY MX Low Profile RGB Red MX1B-L2NA

High-precision CHERRY MX switch especially engineered for notebook or low profile desktop applications

Key benefits:

- Engineered and Made in Germany
- CHERRY MX Low Profile RGB Red switch: Without pressure point, linear light actuation switching function with a defined force of approx. 45 cN without contact feedback
- Designed for use with SMD LEDs (RGB or single colour)
- More consistent lighting throughout the keycap due to optimized switch design
- Option to use all 16.8 million RGB colours in high luminosity (scope of supply does not include LED)
- SMD LEDs directly mounted on the circuit board for cost-efficient, fully automated production
- High-precision mechanical switch with very low operating point tolerance
- World exclusive CHERRY Gold Crosspoint technology
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts
- Switch resistant to dust and dirt
- Over 50 million keystrokes with no loss of quality guaranteed

Technical Data:

- Protection class: IP40
- Operation characteristics: Low Profile, linear
- Switching voltage: 12V AC/DC max.
- Dielectric strength: 500V / 50Hz
- Durability: > 50 million actuations
- Contact configuration: Single-pole contact
- Actuator travel: 3.2 ± 0.25 mm
- Pretravel: 1.2 ± 0.3 mm
- Initial force: 40 cN min.
- Actuation force: 45 ± 15 cN
- Bounce time: typically 1 ms
- Minimum lead spacing: 16 mm
- Lighting: SMD LED, mounted directly on the circuit board
- Insulation materials: Thermoplastics
- Spring: Stainless steel
- Contacts: High-quality gold alloy
- Storage Temperature: -40°C to 70°C
- Operating Temperature: 5°C to 40°C
- Humidity: Storage: average <50% max.
  3 months / 75% max. 15 days, operation: 5% to 95% without condensation