

CHERRY MX LOW PROFILE RGB

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 switch: Without pressure point, linear light actuation switching function with a defined force of approx. 45cN without contact feedback
- Designed for use with SMD LEDs (RGB or single color)
- More consistent lighting throughout the keycap due to optimized switch design
- Option to use all 16.8 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
- High-precision mechanical switch with 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 100 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:	> 100 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