

CHERRY MX RGB NATURE WHITE



Models may vary from the image shown

High-precision MX keyswitch specially engineered for RGB Multicolor Illumination

Nature white switch: Without pressure point, linear actuation - switching function with a defined force of approx. 55 cN without contact feedback. A shining example: The new CHERRY MX RGB switch. Globally pioneering technology for precision mechanical keyswitches. Optimized for use with SMD LEDs, which make the keyboard shine in all RGB colors with high luminosity. Every key can be illuminated individually in a different color. Engineered and Made in Germany.

Key Benefits

- RGB nature white switch: Without pressure point, linear actuation - easy switching function with a defined force of approx. 55 cN without contact feedback
- MX switch variant optimized for use with SMD LEDs (RGB or single color)
- More consistent lighting throughout the keycap due to 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
- High-precision mechanical keyswitch based on the MX standard
- World exclusive CHERRY Gold Crosspoint technology
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts, resistant to dust and dirt
- Over 50 million keystrokes / contact switches per module with no loss of quality

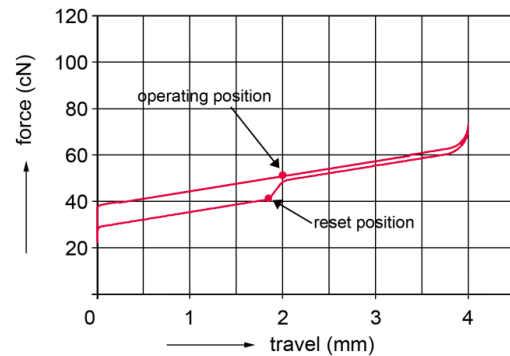
Technical Data:

Housing Color:

- Transparent cover, plain base

Keymodule:

- Switch Type: MX
- Protection Class: IP40
- Operation Characteristics: NATURE WHITE SWITCH Linear (55 cN)



- Fastening: Snap fastening in frame
- Switching Voltage: 12 VAC/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: 4.0 -0.4 mm
- Pretravel: 2 ± 0.6 mm
- Initial Force: 30 cN min.
- Actuation Force: 52 ± 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: 5°C to 40°C
- Operating Temperature: -40°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
1	CHERRY MX RGB NATURE WHITE	MX1A-41NA

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