

CHERRY MX SPEED RGB Silver



Models may vary from the image shown

Fastest CHERRY MX RGB Switch, ideal for gaming, as well as for frequent and fast typists

CHERRY MX SPEED RGB: Fast, faster, MX SPEED - optimized for extremely fast operation and high illumination. With an actuation point of 1.2 mm, the MX SPEED is the fastest mechanical, illuminated CHERRY switch ever. No pressure points, linear actuation, switching function at a defined force of approx. 45 cN without contact feedback. Made in Germany.

Key Benefits

- 40% faster than the CHERRY MX Standard switch
- High-precision mechanical switch for extremely short reaction times and high switching frequencies
- 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
- World exclusive CHERRY Gold Crosspoint technology
- Precision "Made in Germany" with low bounce time
- Self-cleaning contacts, resistant to dust and dirt
- Guaranteed over 50 million keystrokes per switch with no loss of quality
- Long-lasting safe switching performance in the renowned "Original CHERRY quality" tried-and-tested a billion times over.
- SPEED RGB Silver Switch: No pressure points, light, linear actuation - switching function at a defined force of approx. 45 cN without contact feedback

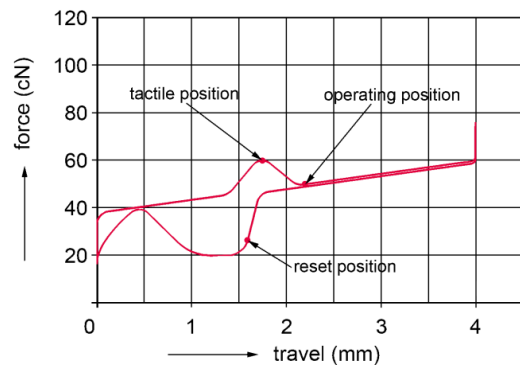
Technical Data:

Housing Color:

Transparent cover, plain base

Keymodule:

- Switch type: MX
- Protection class: IP40
- Operation characteristics: SILVER SWITCH, Linear (45cN)



- 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: 3.4 -0.4 mm
- Pretravel: 1.2 ± 0.4 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: 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	Fastening
1	CHERRY MX SPEED RGB Silver	MX1A-51NA	Snap fastening in frame
2	CHERRY MX SPEED RGB Silver	MX1A-51NB	Fixing pins in the printed circuit board

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