CHERRY MX SPEED RGB Silver

over.
• SPEED RGB Silver Switch: No pressure points, light, linear actuation - switching function at a defined force of approx. 45 cN without contact feedback
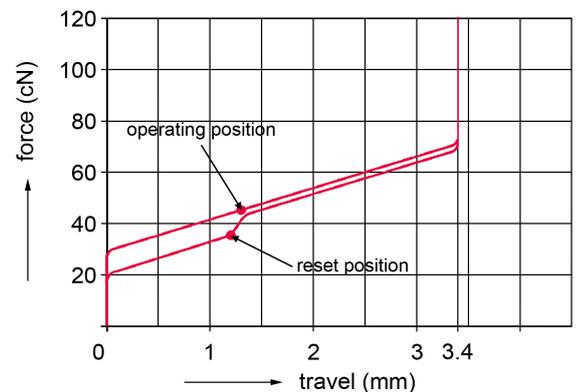
Technical Data:

Housing colour:
Transparent cover, plain base

Keymodule:
• Switch type: MX
• Protection class: IP40
• Operation characteristics:

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 optimised for use with SMD LEDs (RGB or single colour)
• More consistent lighting throughout the keycap due to optimised, transparent casing and scattering surface including lens.
• Option to use all 16.7 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
• World exclusive CHERRY Gold Crosspoint technology
• Precision "Made in Germany" with low bounce time
• Self-cleaning contacts, resistant to dust and dirt
• Guaranteed over 100 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

• Fastening: Product dependant, see table "Models"
• Switching voltage: 12 V AC/DC max.
• Switching current: 10 mA AC/DC max.
• Dielectric strength: 500 V / 50Hz
• Durability: > 100 million actuations
• Contact configuration: Single-pole contact
• Actuator travel: 3.4 mm
• Pretravel: 1.2 mm
• Initial force: 30 cN min.
• Actuation force: 45 cN
• Bounce time: typically < 1 ms
• 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

For detailed information and the layout of the details described above, please do not hesitate to ask for our technical specifi cations and drawing.

Warranty:
2 years

Errors, technical changes and delivery possibilities excepted.
Technical information refers only to the specifications of the
products. Features may differ from the information provided.

Models:

	Product name	Order 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

CHERRY MX SPEED Silver

Models may vary from the image shown

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

CHERRY MX SPEED: Fast, faster, MX SPEED - optimized for extremely fast operation. With an actuation point of 1.2 mm, the MX SPEED is the fastest mechanical 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
- 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 Silver Switch: No pressure points, light, linear actuation - switching function at a defined force of approx. 45 cN without contact feedback
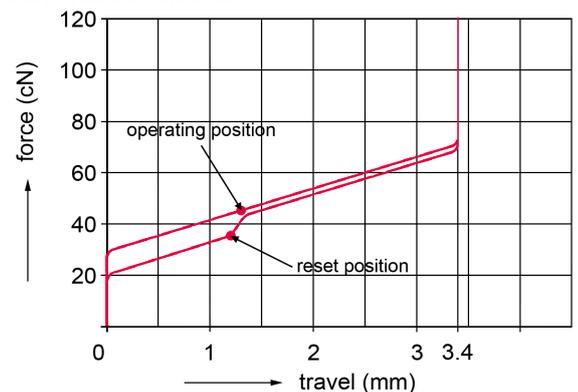
Technical Data:

Housing colour:
black

Keymodule:
- Switch type: MX
- Protection class: IP40
- Operation characteristics:

- Fastening: Product dependant, 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: no
- Decoupling diode: no
- Wire jumper: no
- Insulation materials: Thermoplastics (min.UL 94 HB)
- Spring: Stainless steel
- Contacts: High-quality gold alloy
- Storage Temperature: -20°C to 60°C
- Operating Temperature: 0°C to 50°C
- Humidity: Storage: average <50% max. 3 months / 75% max. 15 days, operation: 5% to 95% without condensation

For detailed information and the layout of the details described above, please do not hesitate to ask for our technical specifi cations and drawing.

Warranty:
2 years

Models:

	Product name	Order number	Fastening
1	CHERRY MX SPEED Silver	MX1A-51NN	Snap fastening in frame
2	CHERRY MX SPEED Silver	MX1A-51NW	Fixing pins in the printed circuit board

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