

CHERRY VIOLA Switch

MV1A-P1NA



High-precision CHERRY switch especially engineered for mainstream desktop mechanical keyboard applications

Key benefits:

- Engineered and Made in Germany
- CHERRY RGB switch without pressure point, CrossLinear characteristic with ergonomic overtravel and fast reset with a defined force of approx. 45cN 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 low operating point tolerance.
- Solder free design, frame mounted
- Self-cleaning contacts
- Switch field replaceable

Technical Data:

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| • Protection class: | IP40 |
| • Operation characteristics: | CrossLinear |
| • Switching voltage: | typically 2 – 5 V |
| • Switching current: | typically 0,1 – 1 mA |
| • Dielectric strength: | 500V / 50Hz |
| • Contact configuration: | Single-pole contact |
| • Actuator travel: | 4.0 ± 0.4 mm |
| • Pretravel: | 2.0 ± 0.6 mm |
| • Initial force: | 20 cN min. |
| • Actuation force: | 45 ± 15 cN |
| • Contact resistance: | 200Ohm max. |
| • Minimum lead spacing: | 16 mm |
| • Lighting: | SMD LED, mounted directly on the circuit board |
| • Insulation materials: | Thermoplastics |
| • Spring: | Stainless steel |
| • Contact Fingers | High-quality copper alloy |

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