

CHERRY MX1A-Exxx



Models may vary from the image shown

The Original: Key module with CHERRY Gold Crosspoint technology

Blue switch: Click pressure point, key stroke with tactile and audible contact feedback.

Original CHERRY MX is the world's leading precision technology for mechanical key modules. The CHERRY Gold Crosspoint contact concept and the unprecedented production quality "made in Germany" are unique. MX inside ensures unrivalled quality, precision and reliability.

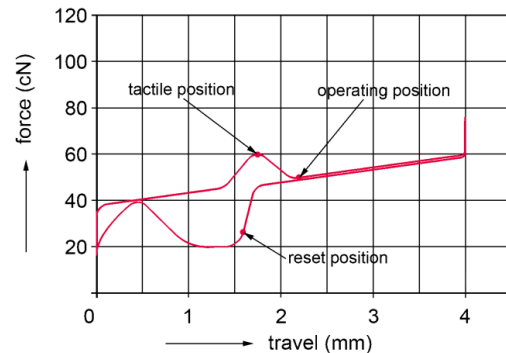
Key Benefits

- Blue switch: Click pressure point, key stroke with tactile and audible contact feedback
- Mechanical high-precision key module
- In use worldwide for Original CHERRY keyboards and in keyboards of demanding input device manufacturers
- Safe and long-lasting reliability of switching performance and characteristics
- 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
- Proven a billion times over and continuously developed
- World exclusive CHERRY Gold Crosspoint technology
- 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: 4 - 0.5 mm
- Pretravel: 2.2 ± 0.6 mm

Technical Data:

Keymodule:

- Switch type: MX
- Protection class: IP40
- Operation characteristics: BLUE SWITCH Click pressure point (60cN)



- Initial force: 25 cN min.
- Actuation force: 50 ± 15 cN
- Pressure point force: 60 ± 15 cN
- Bounce time: < 5 ms (during actuation with 0,4 m/s)
- Standard lead spacing: 19.05 mm (16 mm min.)
- Lighting: Product dependant, see table "Models"
- Decoupling diode: Product dependant, see table "Models"
- Wire jumper: Product dependant, see table "Models"
- 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 | EAN Code | Fastening | Lighting | Decoupling Diode | Wire Jumper |
|---|------------------|-------------|---------------|--|--------------|------------------|-------------|
| 1 | CHERRY MX1A-Exxx | MX1A-E1DN | 4025112079542 | Snap fastening in frame | no | yes | no |
| 2 | CHERRY MX1A-Exxx | MX1A-E1DW | | Fixing pins in the printed circuit board | no | yes | no |
| 3 | CHERRY MX1A-Exxx | MX1A-E1GN | | Snap fastening in frame | LED in green | no | no |
| 4 | CHERRY MX1A-Exxx | MX1A-E1JW | | Fixing pins in the printed circuit board | no | no | yes |
| 5 | CHERRY MX1A-Exxx | MX1A-E1NN | | Snap fastening in frame | no | no | no |
| 6 | CHERRY MX1A-Exxx | MX1A-E1NW | | Fixing pins in the printed circuit board | no | no | no |

Cherry Americas, LLC
11200 88th Avenue
Pleasant Prairie, WI 53158
USA

Phone: 262.942.6508

Internet: www.cherryamericas.com

E-Mail: keyboardsupport@cherryamericas.com

The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice. Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

Rev Date: Feb. 10, 2017