

## CHERRY MX1A-3xxx



*Models may vary from the image shown*

### The Original: Key module with CHERRY Gold Crosspoint technology

Clear switch (locks in place): Module remains in the depressed position for holding down keys. 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.

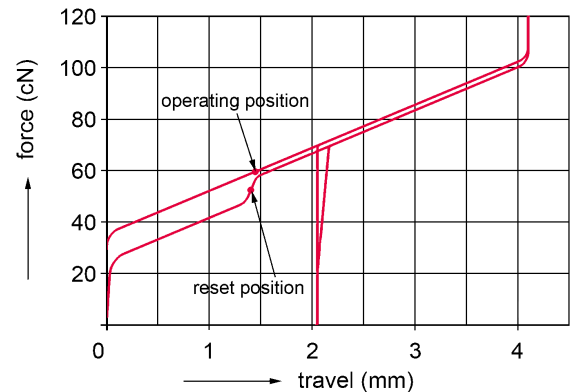
### Key benefits

- Clear switch (locks in place): Module remains in the depressed position for holding down keys
- 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, resistant to dust and dirt
- Over 500.000 keystrokes / contact switches per module with no loss of quality
- Proven a billion times over and continuously developed
- World exclusive CHERRY Gold Crosspoint technology
- Available in various switching characteristics and designs

### Technical Data:

#### Keymodule:

- Switch type: MX
- Protection class: IP40
- Operation characteristics: Alternate action



- 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: > 0.5 million actuations
- Contact configuration: Single-pole contact
- Actuator travel:  $4.2 \pm 0.3$  mm
- Pretravel:  $1.4 \pm 0.4$  mm
- Initial force: 30 cN min.
- Actuation force:  $60 \pm 20$  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: 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

*For detailed information and the layout of the details described above, please do not hesitate to ask for our technical specifications 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	Lighting
1	CHERRY MX1A-3xxx	MX1A-31NN	Snap fastening in frame	no
2	CHERRY MX1A-3xxx	MX1A-31NW	Fixing pins in the printed circuit board	no
3	CHERRY MX1A-3xxx	MX1A-31RW	Fixing pins in the printed circuit board	LED in red