

## CHERRY MX1A-Cxxx



*Models may vary from the image shown*

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

Clear switch: With tactile pressure point.  
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.

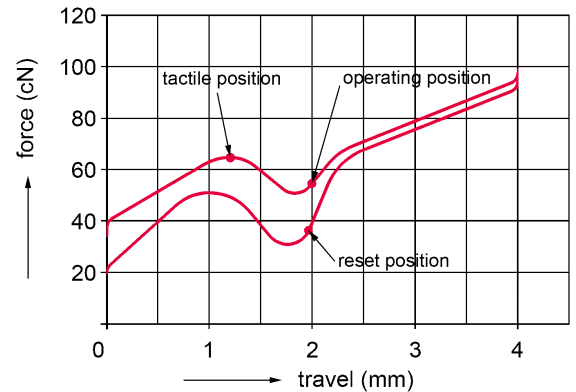
### Key benefits

- Clear switch: With tactile pressure point
- 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

### Technical Data:

#### Keymodule:

- Switch type: MX
- Protection class: IP40
- Operation characteristics: CLEAR SWITCH Pressure point (65cN)



- 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:  $2 \pm 0.6$  mm
- Initial force:  $40 \pm 15$  cN
- Actuation force:  $55 \pm 20$  cN
- Pressure point force:  $65 \pm 20$  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: 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:  $5^{\circ}\text{C}$  to  $40^{\circ}\text{C}$
- Operating Temperature:  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$
- 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	Decoupling diode	Wire jumper
1	CHERRY MX1A-Cxxx	MX1A-C1DN	Snap fastening in frame	no	yes	no
2	CHERRY MX1A-Cxxx	MX1A-C1DW	Fixing pins in the printed circuit board	no	yes	no
3	CHERRY MX1A-Cxxx	MX1A-C1GN	Snap fastening in frame	LED in green	no	no
4	CHERRY MX1A-Cxxx	MX1A-C1GW	Fixing pins in the printed circuit board	LED in green	no	no
5	CHERRY MX1A-Cxxx	MX1A-C1JW	Fixing pins in the printed circuit board	no	no	yes
6	CHERRY MX1A-Cxxx	MX1A-C1NN	Snap fastening in frame	no	no	no
7	CHERRY MX1A-Cxxx	MX1A-C1NW	Fixing pins in the printed circuit board	no	no	no
8	CHERRY MX1A-Cxxx	MX1A-C1RW	Fixing pins in the printed circuit board	LED in red	no	no