Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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CHERRY MX1A-1xxx

Models may vary from the image shown

The Original: Key module with CHERRY Gold Crosspoint technology

Black switch: Without pressure point, linear actuation - easy switching function with a defined force of approx. 60 cN without 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.
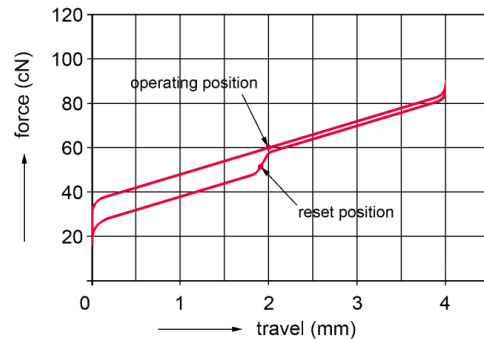
Key Benefits
- Black switch: Without pressure point, linear actuation – easy switching function with a defined force of approx. 60 cN without contact feedback
- Mechanical high-precision key module
- In use worldwide for Original CHERRY keyboards and in keyboards of demanding input device manufacturers
- 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

Technical Data:

Keymodule:
- Switch type: MX
- Protection class: IP40
- Operation characteristics: BLACK SWITCH Linear (60 cN)

- Fastening: Product dependent, see table "Models"
- Switching voltage: 12 VAC/DC max.
- Switching current: 10 mA AC/DC max.
- Dielectric strength: 500 V / 50Hz
- Durability: > 50 million actuations
- Contact configuration: Single-pole contact 1 Actuator travel: 4.0 -0.4 mm
- Pretravel: 2 ± 0.6 mm
- Initial force: 30 cN min.
- Actuation force: 60 ± 20 cN
- Bounce time: < 5 ms (during actuation with 0,4 m/s) 1 Standard lead spacing: 19.05 mm (16 mm min.)
- Lighting: Product dependent, see table "Models"
- Decoupling diode: Product dependent, see table "Models"
- Wire jumper: Product dependent, 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-1xxx	MX1A-11DN		Snap fastening in frame	no	yes	no
2	CHERRY MX1A-1xxx	MX1A-11DW	4025112060113	Fixing pins in the printed circuit board	no	yes	no
3	CHERRY MX1A-1xxx	MX1A-11GN		Snap fastening in frame	LED in green	no	no
4	CHERRY MX1A-1xxx	MX1A-11GW		Fixing pins in the printed circuit board	LED in green	no	no
5	CHERRY MX1A-1xxx	MX1A-11JN		Snap fastening in frame	No	no	yes
6	CHERRY MX1A-1xxx	MX1A-11JW		Fixing pins in the printed circuit board	No	no	yes
7	CHERRY MX1A-1xxx	MX1A-11NN	4025112060120	Snap fastening in frame	No	no	no
8	CHERRY MX1A-1xxx	MX1A-11NW-1		Fixing pins in the printed circuit board	no	no	no
9	CHERRY MX1A-1xxx	MX1A-11RN		Snap fastening in frame	LED in red	no	no
10	CHERRY MX1A-1xxx	MX1A-11RW		Fixing pins in the printed circuit board	LED in red	no	no
11	CHERRY MX1A-1xxx	MX1A-11YN		Snap fastening in frame	LED in yellow	no	no
12	CHERRY MX1A-1xxx	MX1A-11YW		Fixing pins in the printed circuit board	LED in yellow	no	no

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