

2024 年 7 月 9 日

お客様各位

MXスイッチ MX2Aシリーズへ移行のご案内

拝啓、貴社ますますご清栄のこととお喜び申し上げます。平素は弊社製品に格別なるご愛顧を賜り、厚くお礼を申し上げます。

ご使用を頂いております Cherry MX スイッチですが、メーカーの方針により MX1A シリーズが在庫限りで生産終了となり、後継となる MX2A シリーズに移行となります。

MX1A シリーズは弊社在庫が無くなり次第終了となり、以降は MX2A シリーズのみの取り扱いとなります。

切替時期は在庫が無くなり次第、各型名を順次切替えます。ご迷惑をお掛けし大変申し訳ございませんが、何卒ご了承頂きます様よろしくお願い申し上げます。

また、MX2A シリーズ切替に伴い価格は MX1A シリーズより 15%の値上がりとなります。ご負担とご迷惑をお掛けしますが、事情をご賢察の上、ご理解賜ります様お願いします。

◆MX2A シリーズと MX1A シリーズの比較

MX2A シリーズは内部のスイッチ機構に改善を施したスイッチ ON/OFF 時のノイズ軽減適応モデルになっております。

スイッチ本体の外形及び寸法、端子間ピッチなどの全て寸法値はそのまま変更はありません。また、スイッチ押下時のストロークカーブは MX1A シリーズと同様でタッチの感覚はそのままです。

MX2A シリーズは既存 MX1A シリーズのスイッチをそのまま置き換えて使用ができます。

※MX2A シリーズと MX1A シリーズの各軸色の資料は別紙を参照下さい。

◆既存 MX1A シリーズ終息対象と後継 MX2A シリーズの型名

MX スイッチ単体

終息型名	後継型名
MX1A-G1NN	MX2A-G1NN
MX1A-E1NN	MX2A-E1NN
MX1A-11NN	MX2A-11NN
MX1A-L1NN	MX2A-L1NN
MX1A-G1NW	MX2A-G1NW

BC タイプ 1 倍キートップ

終息型名	後継型名
MX-GNN-BC	MX2-GNN-BC
MX-ENN-BC	MX2-ENN-BC
MX-1NN-BC	MX2-1NN-BC
MX-LNN-BC	MX2-LNN-BC
MX-GNW-BC	MX2-GNW-BC

BC タイプ LED 照光キートップ

終息型名	後継型名
MX-GRN-LBC	MX2-GRN-LBC
MX-ERN-LBC	MX2-ERN-LBC
MX-1RN-LBC	MX2-1RN-LBC
MX-LRN-LBC	MX2-LRN-LBC
MX-GRW-LBC	MX2-GRW-LBC
MX-GGN-LBC	MX2-GGN-LBC
MX-EGN-LBC	MX2-EGN-LBC
MX-1GN-LBC	MX2-1GN-LBC
MX-LGN-LBC	MX2-LGN-LBC
MX-GGW-LBC	MX2-GGW-LBC

BC タイプ 垂直 2 倍キートップ

終息型名	後継型名
MX-GNN-WVBC	MX2-GNN-WVBC
MX-ENN-WVBC	MX2-ENN-WVBC
MX-1NN-WVBC	MX2-1NN-WVBC
MX-LNN-WVBC	MX2-LNN-WVBC
MX-GNW-WVBC	MX2-GNW-WVBC

BC タイプ 水平 2 倍キートップ

終息型名	後継型名
MX-GNN-WHBC	MX2-GNN-WHBC
MX-ENN-WHBC	MX2-ENN-WHBC
MX-1NN-WHBC	MX2-1NN-WHBC
MX-LNN-WHBC	MX2-LNN-WHBC
MX-GNW-WHBC	MX2-GNW-WHBC

CD タイプ 1 倍キートップ

終息型名	後継型名
MX-GNN-CD	MX2-GNN-CD
MX-ENN-CD	MX2-ENN-CD
MX-1NN-CD	MX2-1NN-CD
MX-LNN-CD	MX2-LNN-CD
MX-GNW-CD	MX2-GNW-CD
MX-GNN-CDG	MX2-GNN-CDG
MX-ENN-CDG	MX2-ENN-CDG
MX-1NN-CDG	MX2-1NN-CDG
MX-LNN-CDG	MX2-LNN-CDG
MX-GNW-CDG	MX2-GNW-CDG

CD タイプ 2 倍キートップ

終息型名	後継型名
MX-GNN-WCD	MX2-GNN-WCD
MX-ENN-WCD	MX2-ENN-WCD
MX-1NN-WCD	MX2-1NN-WCD
MX-LNN-WCD	MX2-LNN-WCD
MX-GNW-WCD	MX2-GNW-WCD
MX-GNN-WCDG	MX2-GNN-WCDG
MX-ENN-WCDG	MX2-ENN-WCDG
MX-1NN-WCDG	MX2-1NN-WCDG
MX-LNN-WCDG	MX2-LNN-WCDG
MX-GNW-WCDG	MX2-GNW-WCDG

CD タイプ 4 倍キートップ

終息型名	後継型名
MX-GNN-4WCD	MX2-GNN-4WCD
MX-ENN-4WCD	MX2-ENN-4WCD
MX-1NN-4WCD	MX2-1NN-4WCD
MX-LNN-4WCD	MX2-LNN-4WCD
MX-GNW-4WCD	MX2-GNW-4WCD
MX-GNN-4WCDG	MX2-GNN-4WCDG
MX-ENN-4WCDG	MX2-ENN-4WCDG
MX-1NN-4WCDG	MX2-1NN-4WCDG
MX-LNN-4WCDG	MX2-LNN-4WCDG
MX-GNW-4WCDG	MX2-GNW-4WCDG

以上

株式会社ジェイダブルシステム

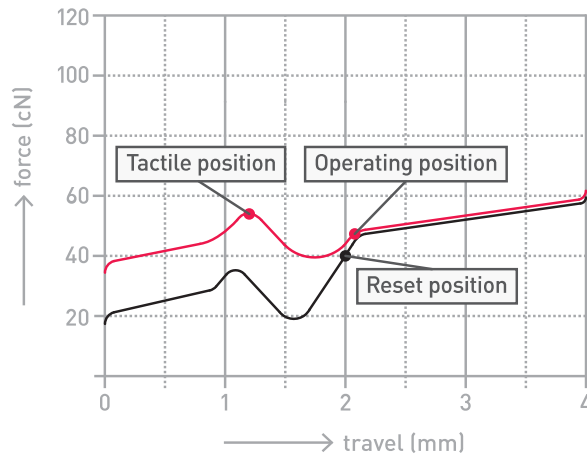
〒110-0005

東京都台東区上野 1-11-9 イマスサニービル 3F

TEL : 03-5846-5146 FAX : 03-5846-5147

CHERRY MX2A Brown

MX2A-G1NN/W



The new generation of gold standard keyboard switches

Original CHERRY MX is the world's leading precision technology for mechanical key switches. The CHERRY Gold Crosspoint contact concept and the unprecedented production quality "Made in Germany" are unique. The MX2A series introduces a new level typing experience, setting a new standard for mechanical key switches.

Key benefits:

- Engineered and Made in Germany
- CHERRY MX2A Brown switch: Soft pressure point, key stroke with soft tactile contact feedback
- Industry-leading CHERRY Gold Crosspoint technology
- Factory-applied, premium-grade lubricant
- Noise-reducing barrel spring design
- Unique, spring-centering stem
- Diamond polished stem and spring guidance
- Glide-optimized stem guidance ribs
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts
- Switch resistant to dust and dirt
- Over 100 million keystrokes with no loss of quality guaranteed

Technical Data:

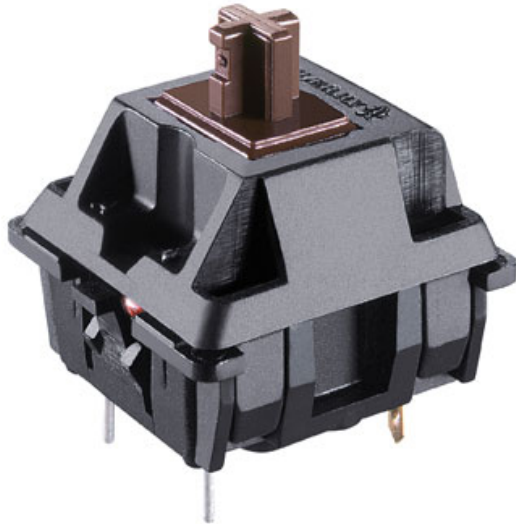
• Switch Type:	MX Mechanical Switch
• Mechanical Fastening:	see table "Models"
• Connection type:	Soldered or hot-swappable
• Protection class:	IP40
• Operation characteristics:	Tactile
• Switching voltage:	5V
• Durability:	> 100 million actuations
• Contact configuration:	Single-pole contact
• Actuator travel:	4mm
• Pretravel:	2mm
• Initial force:	30cN
• Actuation force:	45cN
• Pressure point force:	55cN
• Bounce time:	typ. <1ms
• Lighting:	Prepared for use with 2-Pin LED (THT, through hole)
• Spring:	Stainless steel
• Contacts:	High-quality gold 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.

Models:

	Order Number	Description	Fastening
1	MX2A-G1NN	Cherry MX2A Brown	Snap fastening in frame (3 Pin)
2	MX2A-G1NW	Cherry MX2A Brown	Fixation pins in the PCB (5 Pin)

CHERRY MX1A-Gxxx



Models may vary from the image shown

The Original: Key module with CHERRY Gold Crosspoint technology

Brown switch: Soft pressure point, key stroke with soft tactile 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.

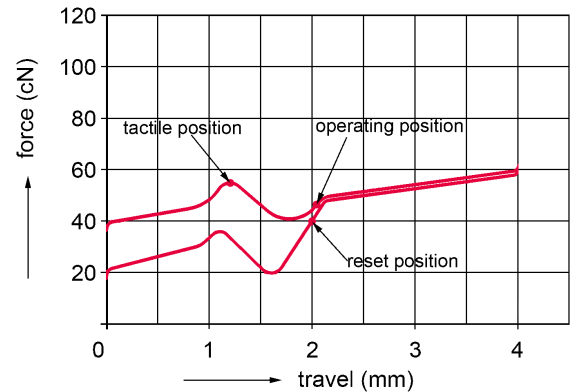
Key benefits

- Brown switch: Soft pressure point, key stroke with soft tactile 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: BROWN SWITCH Pressure point (55cN)



- 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 -0.4 mm
- Pretravel: 2 ± 0.6 mm
- Initial force: 30 cN min.
- Actuation force: 45 ± 20 cN
- Pressure point force: 55 ± 25 cN
- Bounce time: < 5 ms (during actuation with 0,4 m/s)
- Standard lead spacing: 19.05 mm (16 mm min.)
- 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

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

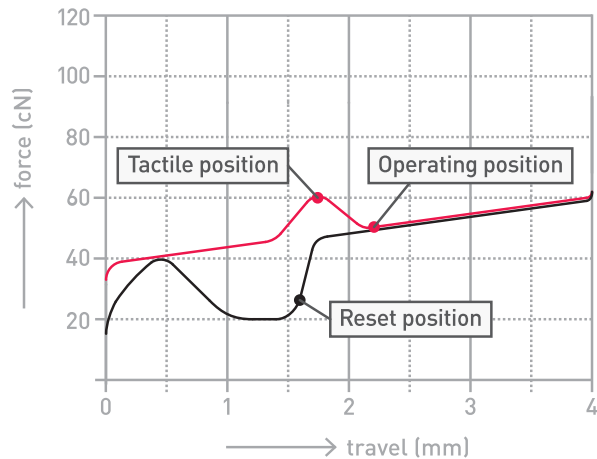
Errors, technical changes and delivery possibilities excepted. Technical information refers only to the specifications of the products. Features may differ from the information provided.

Models:

	Product name	Order number	Fastening	Decoupling diode	Wire jumper
1	CHERRY MX1A-Gxxx	MX1A-G1DN	Snap fastening in frame	yes	no
2	CHERRY MX1A-Gxxx	MX1A-G1DW	Fixing pins in the printed circuit board	yes	no
3	CHERRY MX1A-Gxxx	MX1A-G1JN	Snap fastening in frame	no	yes
4	CHERRY MX1A-Gxxx	MX1A-G1JW	Fixing pins in the printed circuit board	no	yes
5	CHERRY MX1A-Gxxx	MX1A-G1NN	Snap fastening in frame	no	no
6	CHERRY MX1A-Gxxx	MX1A-G1NW	Fixing pins in the printed circuit board	no	no

CHERRY MX2A Blue

MX2A-E1NN/W



The new generation of gold standard keyboard switches

Original CHERRY MX is the world's leading precision technology for mechanical key switches. The CHERRY Gold Crosspoint contact concept and the unprecedented production quality "Made in Germany" are unique. The MX2A series introduces a new level typing experience, setting a new standard for mechanical key switches.

Key benefits:

- Engineered and Made in Germany
- CHERRY MX2A Blue switch: Click pressure point, key stroke with tactile and audible contact feedback
- Industry-leading CHERRY Gold Crosspoint technology
- Unique, spring-centering stem
- Diamond polished stem and spring guidance
- Glide-optimized stem guidance ribs
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts
- Switch resistant to dust and dirt
- Over 50 million keystrokes with no loss of quality guaranteed

Technical Data:

• Switch Type:	MX Mechanical Switch
• Mechanical Fastening:	see table "Models"
• Connection type:	Soldered or hot-swappable
• Protection class:	IP40
• Operation characteristics:	Tactile with acoustic feedback
• Switching voltage:	5V
• Durability:	> 50 million actuations
• Contact configuration:	Single-pole contact
• Actuator travel:	4mm
• Pretravel:	2.2mm
• Initial force:	25cN
• Actuation force:	50cN
• Pressure point force:	60cN
• Bounce time:	typ. <1ms
• Lighting:	Prepared for use with 2-Pin LED (THT, through hole)
• Spring:	Stainless steel
• Contacts:	High-quality gold 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.

Models:

	Order Number	Description	Fastening
1	MX2A-E1NN	Cherry MX2A Blue	Snap fastening in frame (3 Pin)
2	MX2A-E1NW	Cherry MX2A Blue	Fixation pins in the PCB (5 Pin)

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.

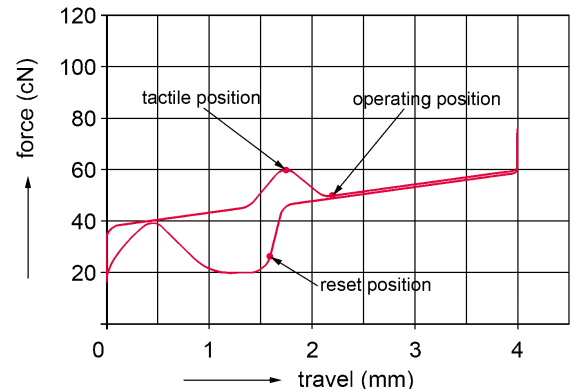
Key benefits

- 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

Technical Data:

Keymodule:

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



- 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
- 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

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

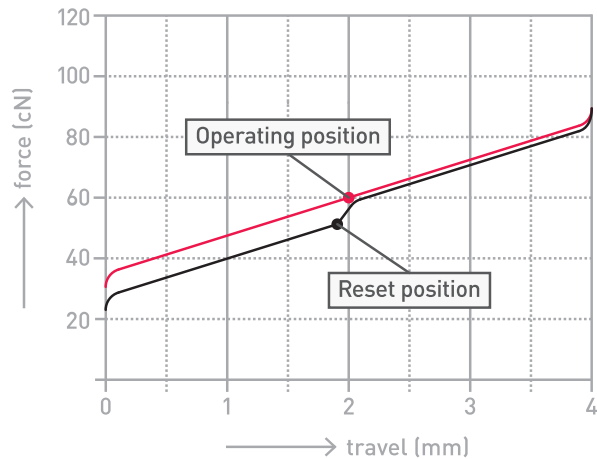
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Technical information refers only to the specifications of the
products. Features may differ from the information provided.

Models:

	Product name	Order number	EAN code	Fastening	Lighting	Decoupling diode	Wire jumper
1	CHERRY MX1A-Exxx	MX1A-E1D N	4025112079542	Snap fastening in frame	no	yes	no
2	CHERRY MX1A-Exxx	MX1A-E1D W	-	Fixing pins in the printed circuit board	no	yes	no
3	CHERRY MX1A-Exxx	MX1A-E1G N	-	Snap fastening in frame	LED in green	no	no
4	CHERRY MX1A-Exxx	MX1A-E1J W	-	Fixing pins in the printed circuit board	no	no	yes
5	CHERRY MX1A-Exxx	MX1A-E1N N	-	Snap fastening in frame	no	no	no
6	CHERRY MX1A-Exxx	MX1A-E1N W	-	Fixing pins in the printed circuit board	no	no	no

CHERRY MX2A Black

MX2A-11NN/W



The new generation of gold standard keyboard switches

Original CHERRY MX is the world's leading precision technology for mechanical key switches. The CHERRY Gold Crosspoint contact concept and the unprecedented production quality "Made in Germany" are unique. The MX2A series introduces a new level typing experience, setting a new standard for mechanical key switches.

Key benefits:

- Engineered and Made in Germany
- CHERRY MX2A Black switch: Linear actuation – switching function with a defined force of approx. 60 cN without contact feedback
- Industry-leading CHERRY Gold Crosspoint technology
- Factory-applied, premium-grade lubricant
- Noise-reducing barrel spring design
- Unique, spring-centering stem
- Diamond polished stem and spring guidance
- Glide-optimized stem guidance ribs
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts
- Switch resistant to dust and dirt
- Over 100 million keystrokes with no loss of quality guaranteed

Technical Data:

• Switch Type:	MX Mechanical Switch
• Mechanical Fastening:	see table "Models"
• Connection type:	Soldered or hot-swappable
• Protection class:	IP40
• Operation characteristics:	Linear, heavy
• Switching voltage:	5V
• Durability:	> 100 million actuations
• Contact configuration:	Single-pole contact
• Actuator travel:	4mm
• Pretravel:	2mm
• Initial force:	30cN
• Actuation force:	60cN
• Bounce time:	typ. <1ms
• Lighting:	Prepared for use with 2-Pin LED (THT, through hole)
• Spring:	Stainless steel
• Contacts:	High-quality gold 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.

Models:

	Order Number	Description	Fastening
1	MX2A-11NN	Cherry MX2A Black	Snap fastening in frame (3 Pin)
2	MX2A-11NW	Cherry MX2A Black	Fixation pins in the PCB (5 Pin)

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.

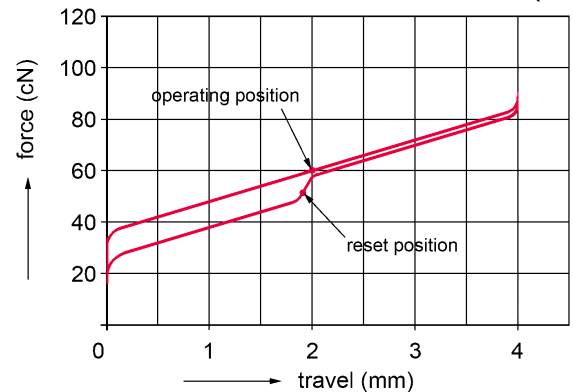
Key benefits

- 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 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 -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)
- 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

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

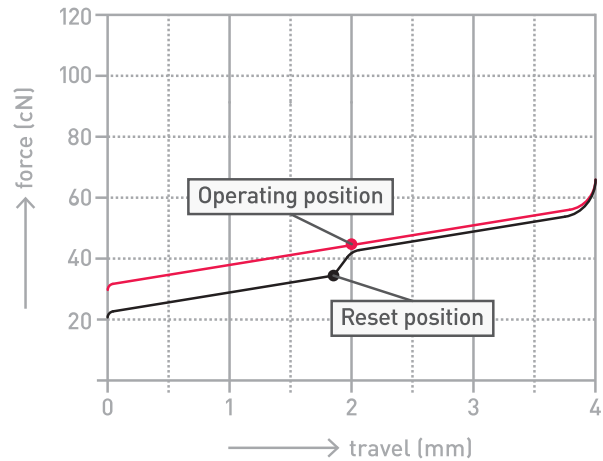
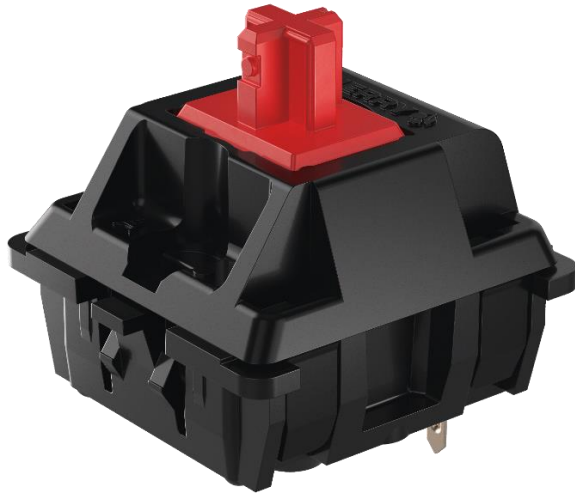
Errors, technical changes and delivery possibilities excepted. Technical information refers only to the specifications of the products. Features may differ from the information provided.

Models:

	Product name	Order number	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

CHERRY MX2A Red

MX2A-L1NN/W



The new generation of gold standard keyboard switches

Original CHERRY MX is the world's leading precision technology for mechanical key switches. The CHERRY Gold Crosspoint contact concept and the unprecedented production quality "Made in Germany" are unique. The MX2A series introduces a new level typing experience, setting a new standard for mechanical key switches.

Key benefits:

- Engineered and Made in Germany
- CHERRY MX2A Red switch: Linear easy actuation without pressure point with minimal resistance
- Industry-leading CHERRY Gold Crosspoint technology
- Factory-applied, premium-grade lubricant
- Noise-reducing barrel spring design
- Unique, spring-centering stem
- Diamond polished stem and spring guidance
- Glide-optimized stem guidance ribs
- Short bounce time for high switching frequency (such as for fast typing)
- Self-cleaning contacts
- Switch resistant to dust and dirt
- Over 100 million keystrokes with no loss of quality guaranteed

Technical Data:

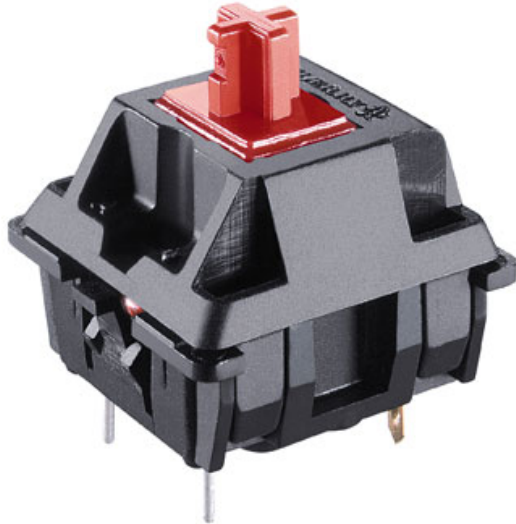
• Switch Type:	MX Mechanical Switch
• Mechanical Fastening:	see table "Models"
• Connection type:	Soldered or hot-swappable
• Protection class:	IP40
• Operation characteristics:	Linear
• Switching voltage:	5V
• Durability:	> 100 million actuations
• Contact configuration:	Single-pole contact
• Actuator travel:	4mm
• Pretravel:	2mm
• Initial force:	30cN
• Actuation force:	45cN
• Bounce time:	typ. <1ms
• Lighting:	Prepared for use with 2-Pin LED (THT, through hole)
• Spring:	Stainless steel
• Contacts:	High-quality gold 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.

Models:

	Order Number	Description	Fastening
1	MX2A-L1NN	Cherry MX2A Red	Snap fastening in frame (3 Pin)
2	MX2A-L1NW	Cherry MX2A Red	Fixation pins in the PCB (5 Pin)

CHERRY MX1A-Lxxx



Models may vary from the image shown

The Original: Key module with CHERRY Gold Crosspoint technology

Red switch: Linear easy actuation without pressure point with minimal resistance.

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.

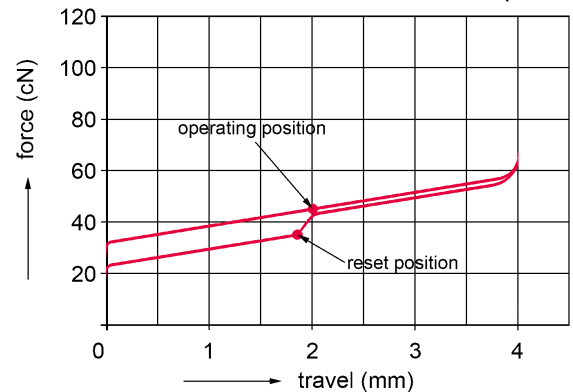
Key benefits

- Red switch: Linear easy actuation without pressure point with minimal resistance
- 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: RED SWITCH Linear (45 cN)



- 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 -0.4 mm
- Pretravel: 2 ± 0.6 mm
- Initial force: 30 cN min.
- Actuation force: 45 ± 15 cN
- Bounce time: < 5 ms (during actuation with 0,4 m/s)
- Standard lead spacing: 19.05 mm (16 mm min.)
- 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

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	Decoupling diode	Wire jumper
1	CHERRY MX1A-Lxxx	MX1A-L1DN	Snap fastening in frame	yes	no
2	CHERRY MX1A-Lxxx	MX1A-L1DW	Fixing pins in the printed circuit board	yes	no
3	CHERRY MX1A-Lxxx	MX1A-L1JW	Fixing pins in the printed circuit board	no	yes
4	CHERRY MX1A-Lxxx	MX1A-L1NN	Snap fastening in frame	no	no
5	CHERRY MX1A-Lxxx	MX1A-L1NW	Fixing pins in the printed circuit board	no	no