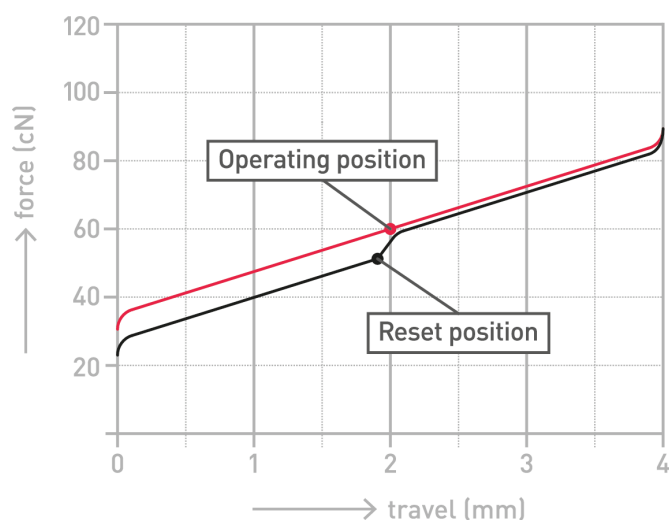


Models may vary from the image shown

The linear switching characteristic combined with an increased spring force triggers directly. Thanks to a stronger spiral spring, the tried and true CHERRY MX BLACK smoothly moves the keys back to the starting position and grants the necessary staying power for long writing and gaming sessions.



## FUNCTION AND PERFORMANCE

- Linear switching characteristics
- 60 cN operating force
- 2.0 mm pre travel
- 4.0 mm total travel
- No click

## TECHNICAL DATA

Actuation characteristic:	linear
Total key travel:	4 mm
Pre-Travel:	2 mm
Actuation force:	60 cN
Standard grid dimension:	19,05 mm
Switching voltage:	max 12 V AC/DC min 2 V AC/DC
Switching current:	max 10 mA min 10 µA
Dielectric strength DIN IEC 60512-2:	500 V / 50 Hz
Spring:	Stainless steel
Electrical function:	<ul style="list-style-type: none"><li>• opened without actuation</li><li>• single pole</li><li>• momentary</li></ul>
Contact system:	MX Gold Crosspoint
IP protection class:	40
Warranty:	2 years warranty
Bounce time:	typically < 1 ms
Type:	mechanical
Hotswap:	no
USP:	Powerful and direct
Noise level:	No Click
Actuation force:	high (56-65 cN)
Reset force – automatic:	5 cN

Produktname	Bestellnummer	Mounting pins	LED diode	LED wire bridge	RGB	Switches
MX BLACK	AMX1A-11GW	with pin - PCB mount	without diode	without jumper	no	
MX BLACK	AMX1A-11RW	with pin - PCB mount	without diode	without jumper	no	
MX BLACK	MX1A-11DN	without pins - faceplate mount	Diode (type: 1N4148 or equivalent)	without jumper	no	
MX BLACK	MX1A-11DN-1	without pins - faceplate mount	Diode (type: 1N4148 or equivalent)	without jumper	no	
MX BLACK	MX1A-11GW	with pin - PCB mount	without diode	without jumper	no	
MX BLACK	MX1A-11JW	with pin - PCB mount	without diode	jumper	no	
MX BLACK	MX1A-11NA	without pins - faceplate mount	without diode	without jumper	yes	
MX BLACK	MX1A-11NB	with pin - PCB mount	without diode	without jumper	yes	
MX BLACK	MX1A-11NN	without pins - faceplate mount	without diode	without jumper	no	
MX BLACK	MX1A-11NW	with pin - PCB mount	without diode	without jumper	no	
MX BLACK	MX1A-11NW-1	with pin - PCB mount	without diode	without jumper	no	
MX BLACK	MX1A-11RW	with pin - PCB mount	without diode	without jumper	no	
MX BLACK	MX1A-1GFL	without pins - faceplate mount	without diode	without jumper	no	

Please contact your local CHERRY service and support teams or your CHERRY sales partners for versions available in your country.