

G23B Series

Motor Electronic Lock for Charging



Features

- ◆ High-density sealed motor electronic lock, meeting IP54 requirements
- ◆ Reliable locking, manual and automatic unlocking are available
- ◆ Accurate locking or unlocking positioning and clear gear
- ◆ The motor electronic lock is sensitive to forward and reverse conversion, with long service life, stable and reliable

Application

- ◆ Charging Gun

Parameters

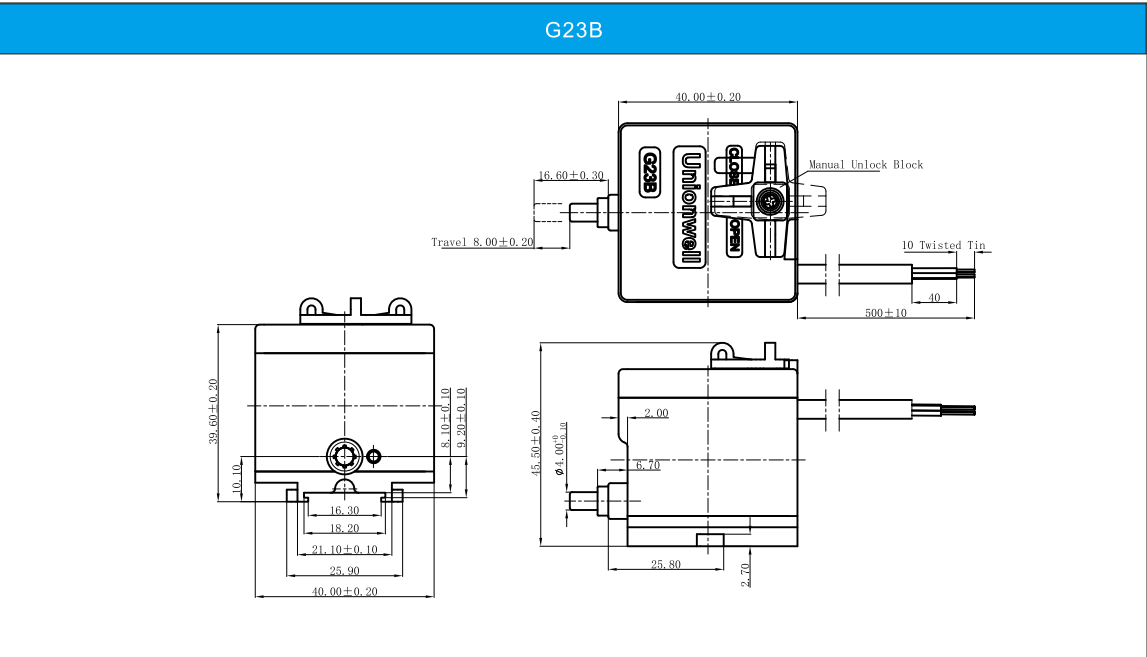
Rated Voltage		12VDC (pulse)
Voltage Range		12±10% VDC.
Motor No Load Current		≤50mA
Motor Lock Current		≤500mA
Response Time		≤100mS
Maximum Power on Time		3S (No long time conduction)
Locking Time		≤300mS
Unlocking Time		≤300mS
Triggering Time at 12VDC		0.25S<t<1S
Functional Angle		≤90°
Insulation Resistance		100MΩ Min
Dielectric Strength		500VAC (50~60Hz)
Degree of Protection		IECIP54 Except driving wheel and push rod active cavity
Operating Temperature		-40°C~+85°C
Operating Humidity		45%RH~85%RH
Service Life	Electrical	30,000 cycles
	Mechanical	30,000 cycles (Min.)
Operating Frequency	Electrical	18 cycles/min
	Mechanical	18 cycles/min
Operating Features (At 12VDC)	HF	300g (Min.)
	Fracture Force	200N
	PT	8.0mm±0.20mm
	OF	300g.cm (Min.)



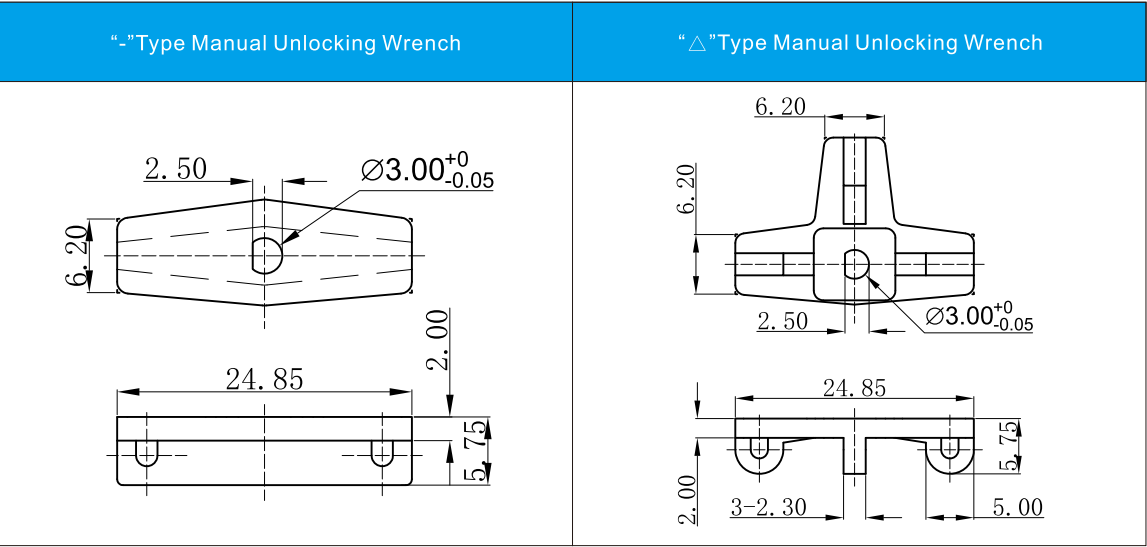
G23B Series Motor Electronic Lock Ordering Model Guide

U	LOGO	Unionwell	Other
T001	Custom Code	General	Customized according to requirements, the code format is T+ serial number XXX, for example: T001
300	Wire Length	000 None	300mm Wire Length Motor Positive Red Wire Negative Black Feedback switch COM terminal with blue wire and NC terminal with green wire (NO terminal with orange wire)
A	Wire Type	A UL2464	B UL2463
1	Manual Unlocking Knob Type	00 None	01 Triangle knob
B	Feedback Switch Function	A NC	B NO
A	Terminal Spec.	A 26# AWG	B 24# AWG
500	Torque	500g.cm (Min.)	Other
G23B	Electronic Lock Series	G23B Series Motor Electronic Lock	

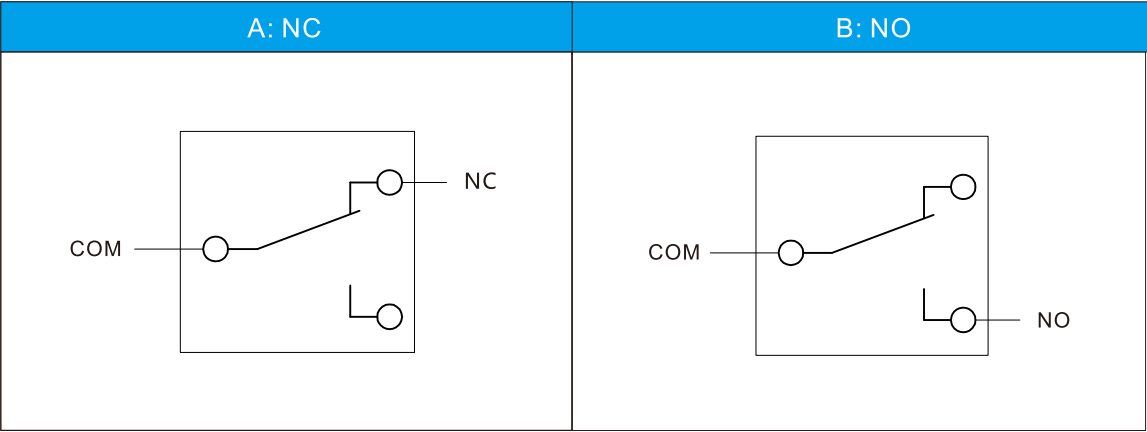
■ Basic Overall Dimensions and Installation Dimensions



■ Manual Unlocking Wrench Type

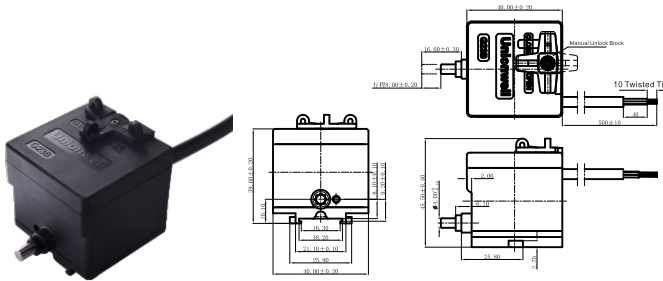


■ Feedback Switch Function /Mechanical Switch



■ Dimensions and Operating Characteristics

◆ G23B-500BA01A300U



HF	PT	Rotary Shaft Strength	OF
30N.cm (Min)	8.0±0.2 (mm)	200N Vertical Axial Force Without Mechanical Damage	50N.cm (Min)