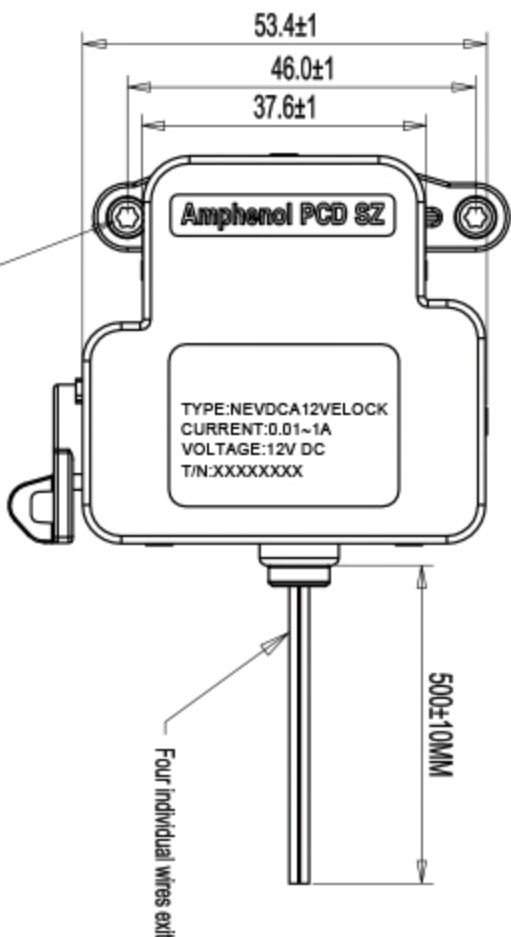
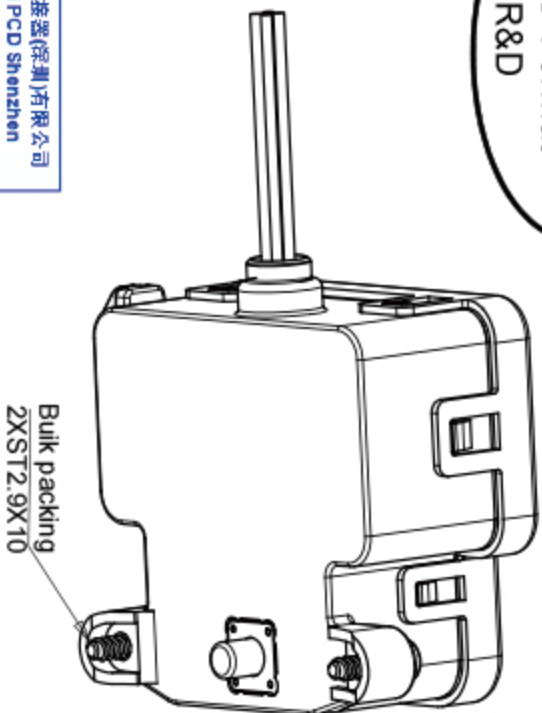
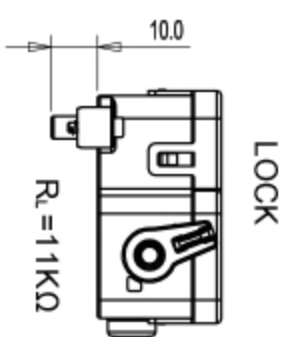
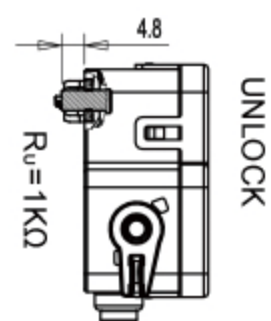
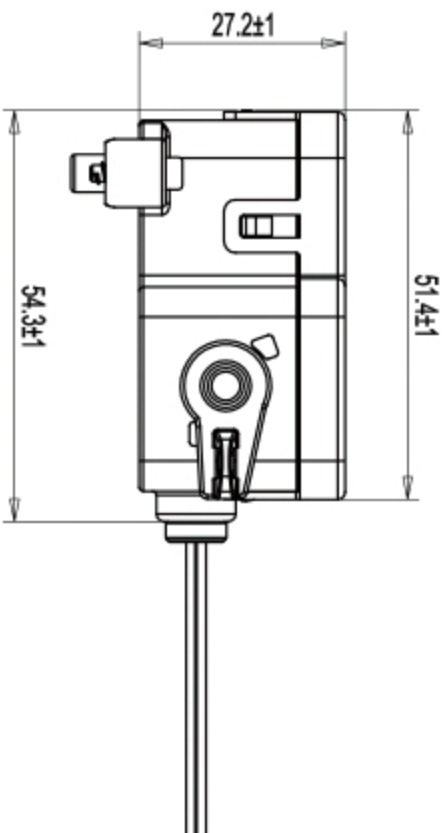
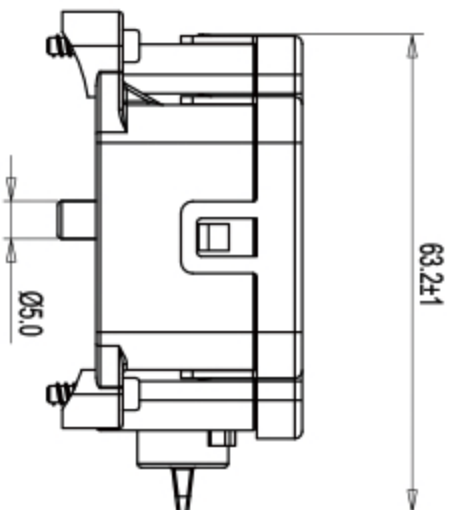


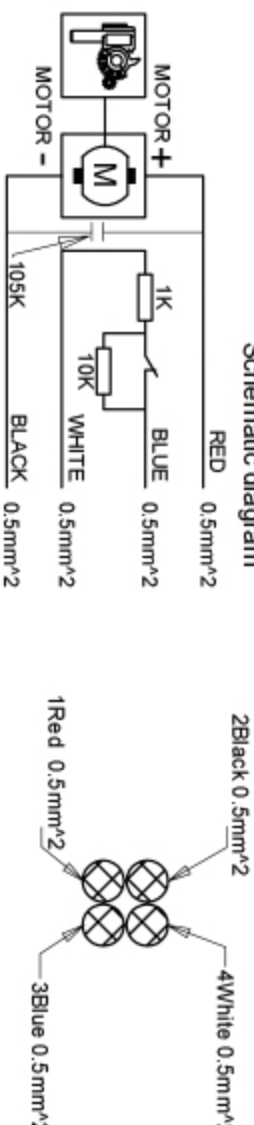


安费诺精密连接器(深圳)有限公司 Amphenol PCD Shenzhen
受 控 文 件
2025年6月2日



Emergency unlocking of the 12V locking actuator

Schematic diagram



- Contact switch is normally closed
- Unlock: 1KΩ
- Lock: 11KΩ
- 1.Voltage supply at motor: 12V
 - 2.Possible Voltage supply at motor: 9V~12V
 - 3.Typical motor current for locking: 200mA
 - 4.Maximal motor current for locking: 1000mA
 - 5.Maximal voltage for locking detection: 20V
 - 6.Maximal dwell period with blocking current: 1000ms
 - 7.Suggested adjustment time: 600ms
 - 8.Durability (in load cycles) : >40000
 - 9.Ambient temperature (in operation) : -40°C~+85°C
 - 10.Ambient temperature (storage) : -40°C~+85°C
 - 11.Length of the actuator cables: 500mm
 - 12.IP-Class : IP67(installed on vehicle inlet or socket-outlet)
 - 13.RoHS Compliance

TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	POWER+	POWER-	SIGNAL(Ru=1KΩ)	
LOCKING	POWER-	POWER+	SIGNAL(RL=11KΩ)	

DIMENSIONS
ANSI Y14.5M
UNITS: MM
CAD FILE

TOLERANCES
.X ±0.5
.XX ±0.05
ANGLES ±2°



Amphenol Pcd Shenzhen

DC_12V ELOCK

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	2022.12.08	
2	R09084N	1.The IP65 is upgraded to the IP67 2.Correct typo of logic diagram	2025.04.02	