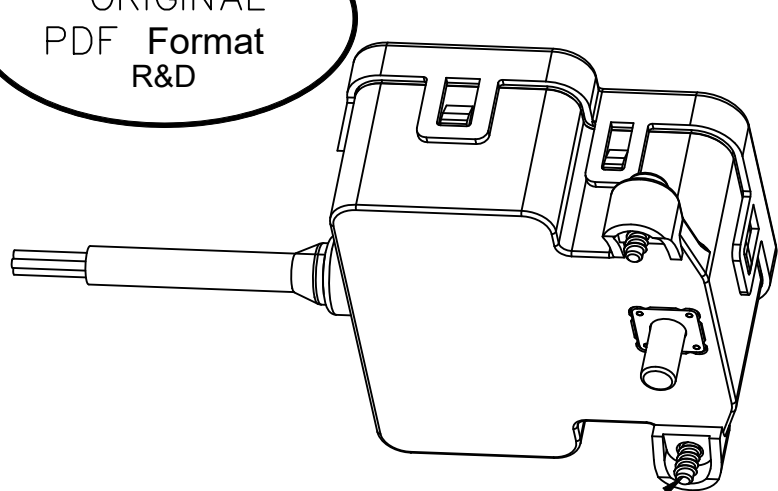
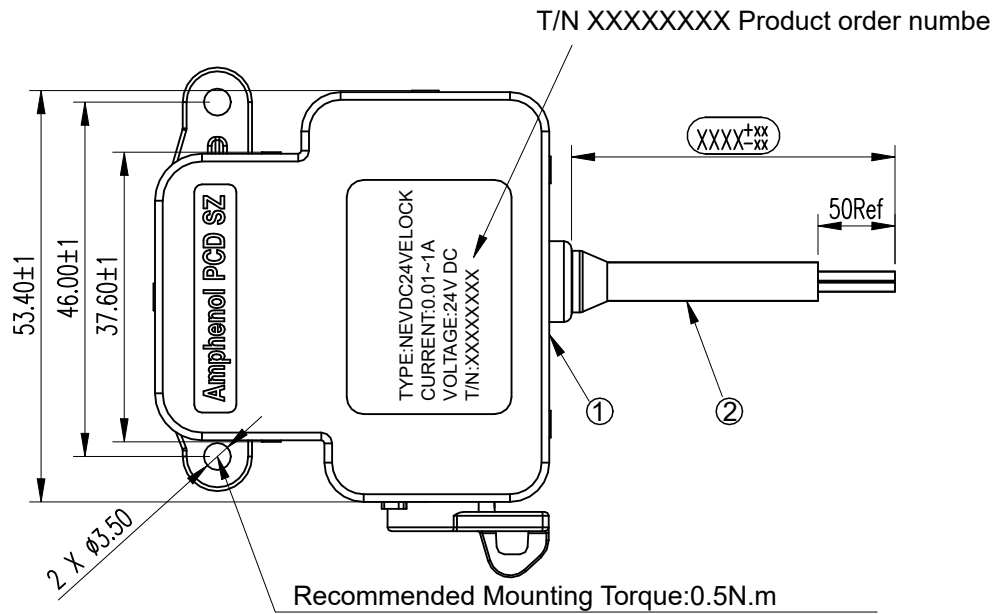
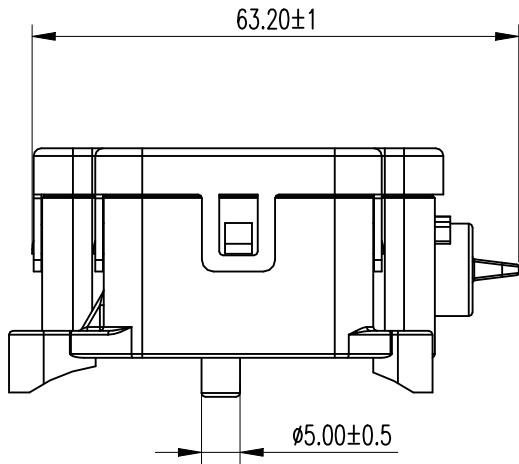


| REV | ECN    | DESCRIPTION                   | DATE        | MODIFIED |
|-----|--------|-------------------------------|-------------|----------|
| 1   |        | FIRST RELEASE                 | 2019.06.10  |          |
| 2   | R4885W | ADD SCREW VIEW,UPDATE VOLTAGE | 2020.11.03  |          |
| 3   | R5583W | UPDATED NOTES                 | 2021.12.23  |          |
| 4   | C09085 | UPDATED NOTES                 | May-15-2025 |          |

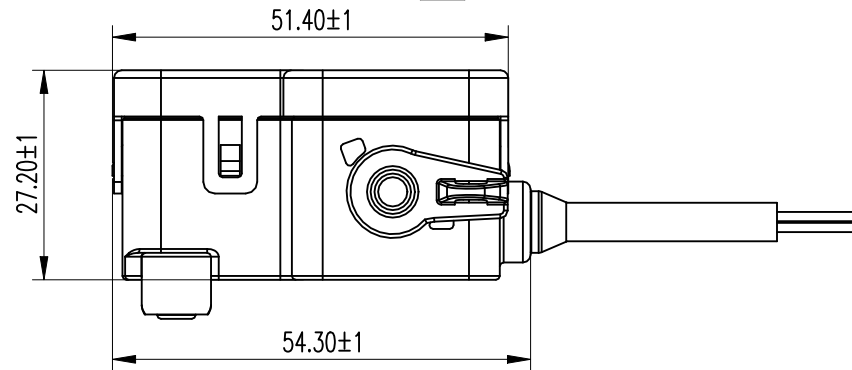
Amphenol PCD SZ  
ORIGINAL  
PDF Format  
R&D



2 Bulk packing  
2XST2.9X10



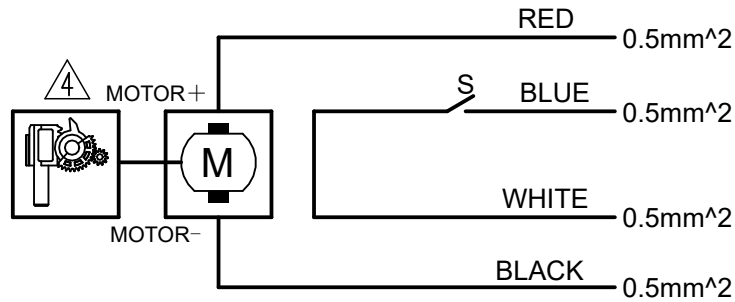
Recommended Mounting Torque:0.5N.m  
2XST2.9X10



| TYPE      | RED    | BLACK  | WHITE                       | BLUE |
|-----------|--------|--------|-----------------------------|------|
| UNLOCKING | POWER+ | POWER- | SIGNAL(R <sub>U</sub> =+∞Ω) |      |
| LOCKING   | POWER- | POWER+ | SIGNAL(R <sub>L</sub> =0Ω)  |      |

4

Emergency unlocking of the 24V locking actuator Schematic diagram



Contact switch is normally open

Unlock: +∞KΩ

Lock: 0 KΩ

1.Voltage supply at motor: 24V

2.Possible Voltage supply at motor: 24V to 26V

3.Typical motor current for locking: 50mA

4.Maximal motor current for locking: 1000mA

5.Maximal voltage for locking detection: 30V

6.Maximal dwell period with blocking current: 800ms

7.Suggested adjustment time: 600ms

8.Durability (in load cycles) : >10000

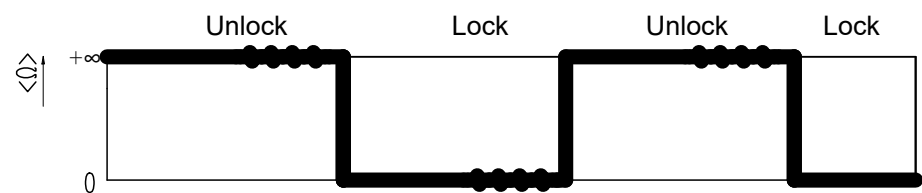
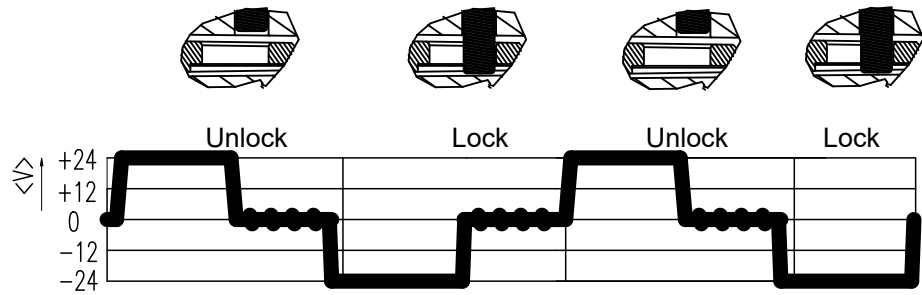
9.Ambient temperature (in operation) : -40°C to +85°C

10.Ambient temperature (storage) : -40°C to +85°C

11.IP-Class : IP65

12.NEVDC24VELOCKLXXXX

| LENGTH      | TOLERANCE  |
|-------------|------------|
| 0~1000MM    | +25<br>-10 |
| 1001~5000MM | +40<br>-10 |
| >5000MM     | +50<br>-20 |



Suggested Work time:>6000ms

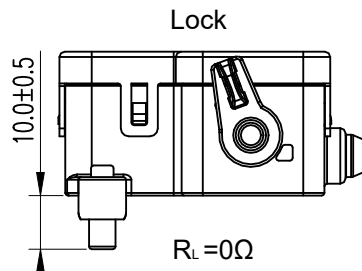
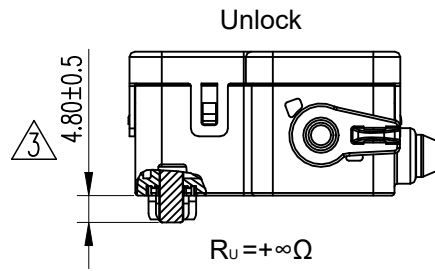
Max time:N/A

Min time:3000ms

Suggested adjustment time:600ms

Max time:800ms

Min time:450ms



| ②    | CABLE           | 4*0.5MM² UNSHIELDING BLACK OD=5.0±0.2MM | AR  | M    |
|------|-----------------|-----------------------------------------|-----|------|
| ①    | ELECTRONIC LOCK | NEVDC24VELOCKL0000                      | 1   | EA   |
| ITEM | NAME            | DESCRIPTION                             | QTY | UNIT |

| DIMENSIONS                           | TOLERANCES                                                                                                          | PROJECTION | Amphenol Pcd Shenzhen | TITLE                          |                                 |          |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------|-----------------------|--------------------------------|---------------------------------|----------|
| ANSI Y14.5M<br>UNITS: MM<br>CAD FILE | .X ±0.5<br>.XX ±0.3<br>ANGLES ±2°                                                                                   |            | ENGR<br>2019.06.10    | DC_24V ELCOK<br>CABLE ASSEMBLY |                                 |          |
| ORIGINAL                             | THIS DOCUMENT CONTAINS<br>PROPRIETARY INFORMATION WHICH<br>IS THE CONFIDENTIAL PROPERTY<br>OF AMPHENOL PCD SHENZHEN |            | CHKD<br>APPD          | SIZE<br>A3                     | DWG NO.<br>C-NEVDC24VELOCKLXXXX | REV<br>4 |
|                                      |                                                                                                                     | CODE:      |                       | SCALE<br>NA                    | SHEET<br>1 OF 1                 |          |