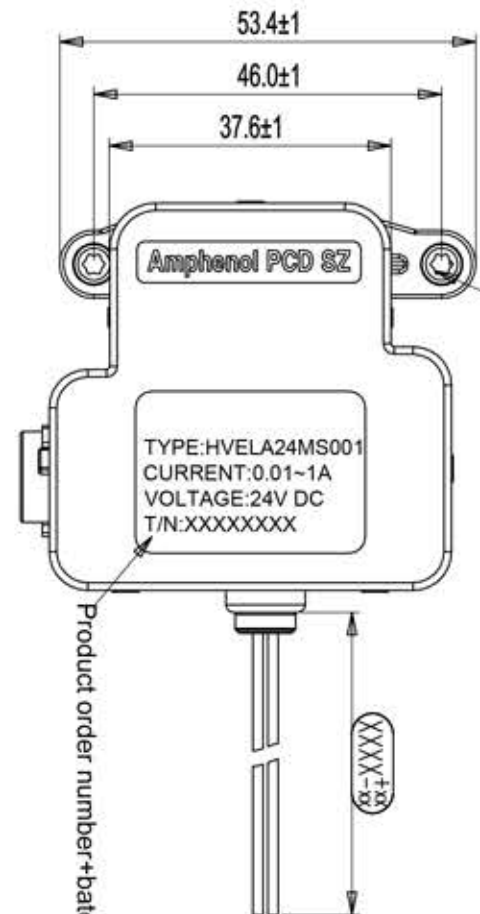
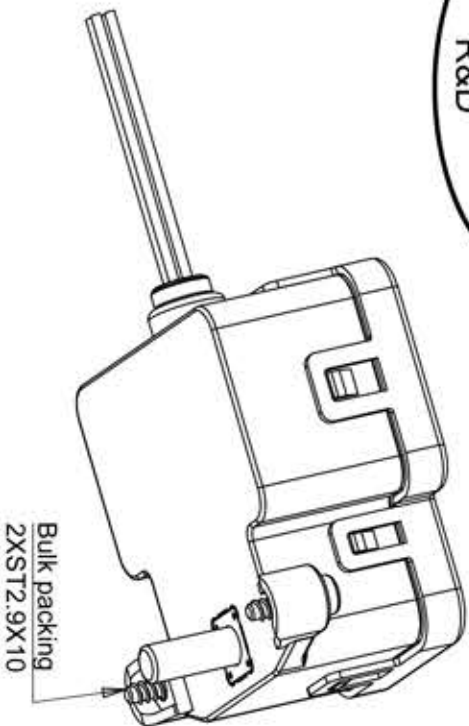
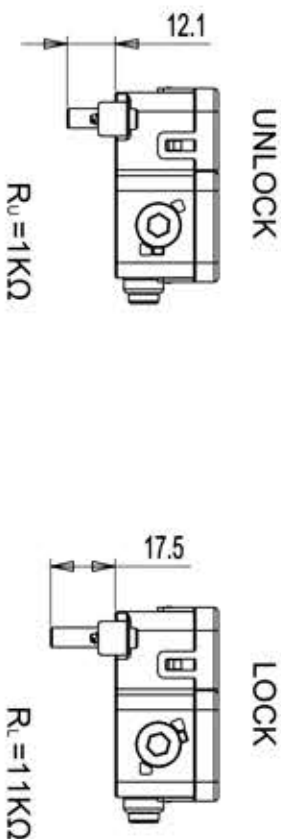
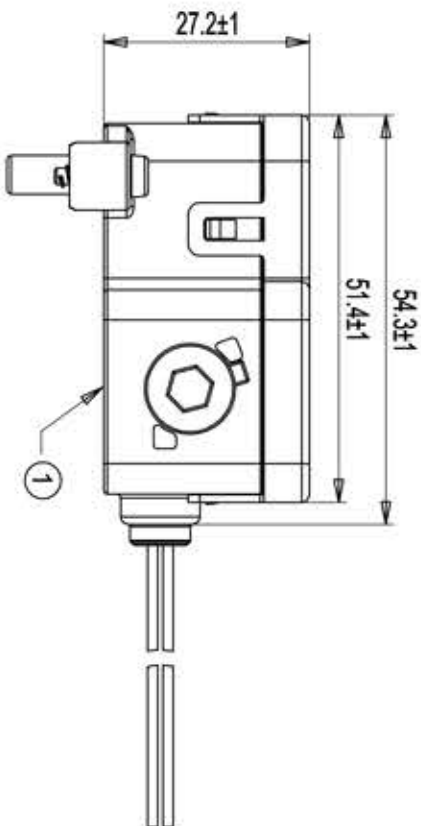
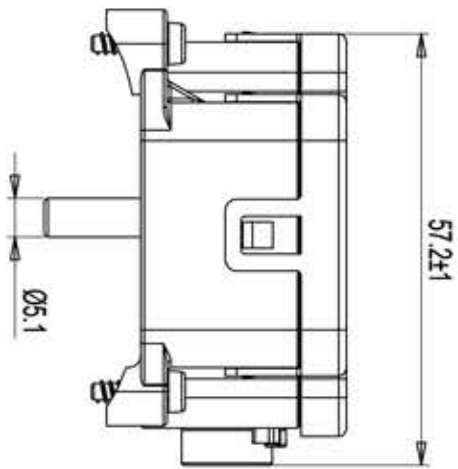
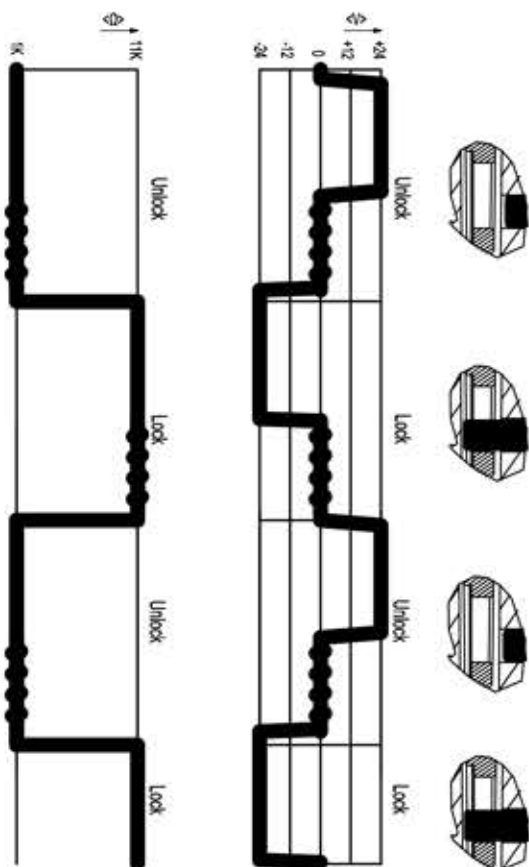


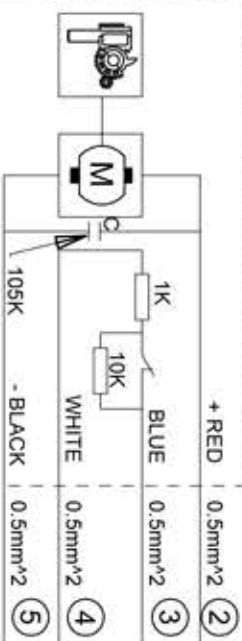
REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	2025.03.06	



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



Emergency unlocking of the 24V locking actuator Schematic diagram



- Contact switch is normally closed
Unlock: 1K Ω
Lock: 11K Ω
- 1.Voltage supply at motor: 24V
 - 2.Possible Voltage supply at locking: 24V~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~+85°C
 - 10.Ambient temperature (storage) : -40°C~+85°C
 - 11.Cable minimum bending radius: 25*OD
 - 12.IP-Class : IP65 (matching vehicle inlet)
 - 13.RoHS Compliance
 14. HVELA24MS001LXXXX

TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	+	-	SIGNAL(R _u =1K Ω)	
LOCKING	-	+	SIGNAL(R _L =11K Ω)	

DIMENSIONS	TOLERANCES	PROJECTION
ANSI Y14.5M UNITS: MM CAD FILE	.X .XX ANGLES $\pm 2^\circ$	

Amphenol Pcd Shenzhen
ENGR
2025.03.06

MCS: DC_24V ELOCK
INDIVIDUAL WIRE

ITEM	P/N	DESCRIPTION	QTY	UNIT
⑤	P01BC00250	1C*0.5mm ² UNSHIELDING, BLACK, XLPE OD=1.50±0.1mm	AR	m
④	P01BC00251	1C*0.5mm ² UNSHIELDING,WHITE, XLPE OD=1.50±0.1mm	AR	m
③	P01BC00252	1C*0.5mm ² UNSHIELDING, BLUE, XLPE OD=1.50±0.1mm	AR	m
②	P01BC00249	1C*0.5mm ² UNSHIELDING, RED, XLPE OD=1.50±0.1mm	AR	m
①	HVELA24MS001	MCS: DC_24V ELOCK INDIVIDUAL WIRE	1	EA

TITLE	SIZE	DWG NO.	REV
MCS: DC_24V ELOCK INDIVIDUAL WIRE	A3	C-HVELA24MS001LXXXX	1

LENGTH	TOLERANCE
0~1000mm	+25 -10
1001~5000mm	+40 -10
>5000mm	+50 -20