

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

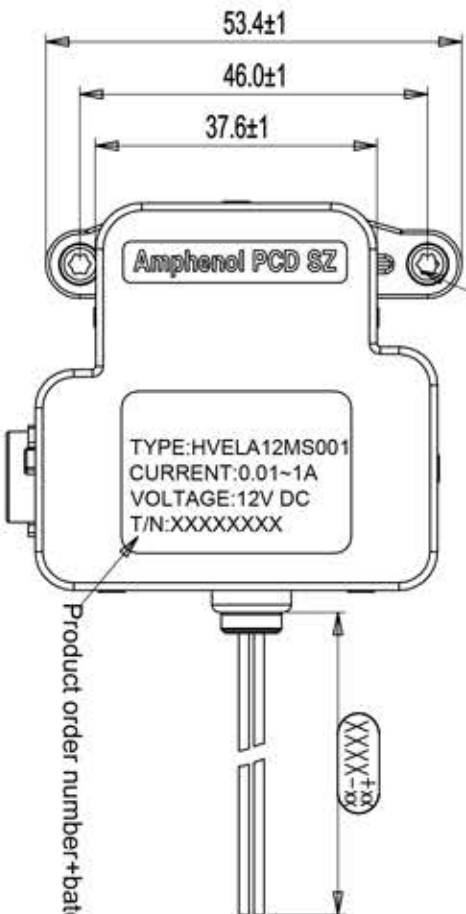
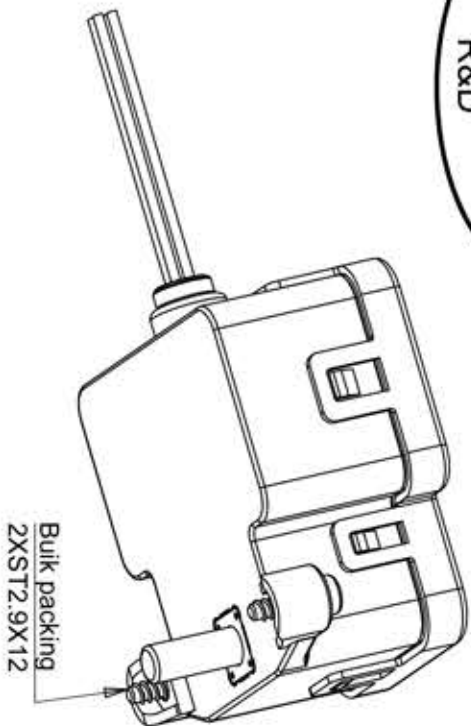
安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

受控文件

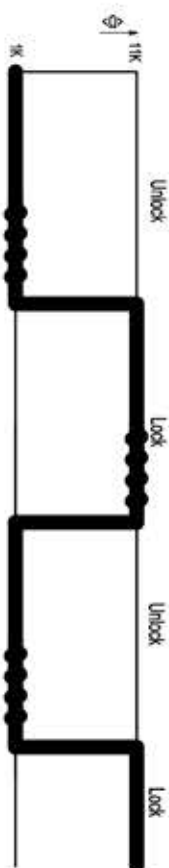
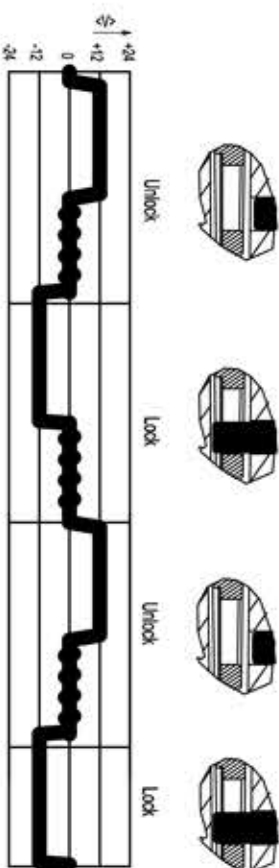
2024年9月20日

C-HVELA12MS001LXXXX

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	2024.09.18	



Product order number+batch number



Suggested Work time: >3000ms

Max time: N/A

Min time: 400ms

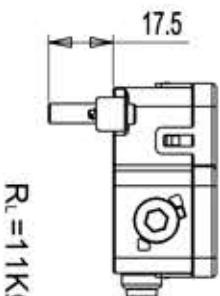
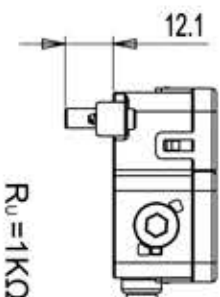
Suggested adjustment time: 600ms

Max time: 1000ms

Min time: 450ms

UNLOCK

LOCK

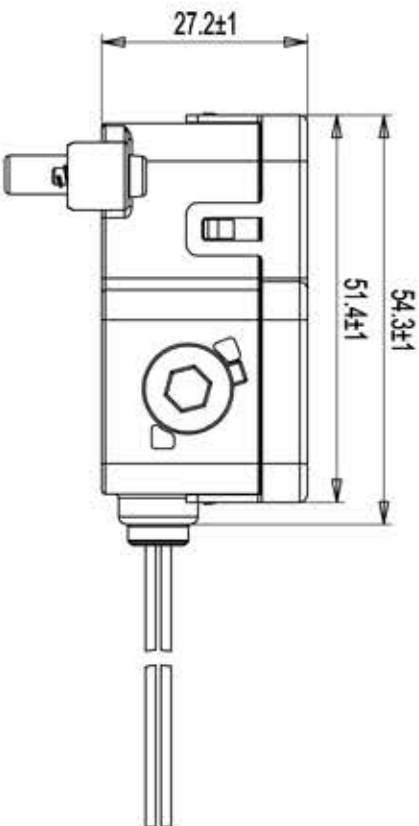
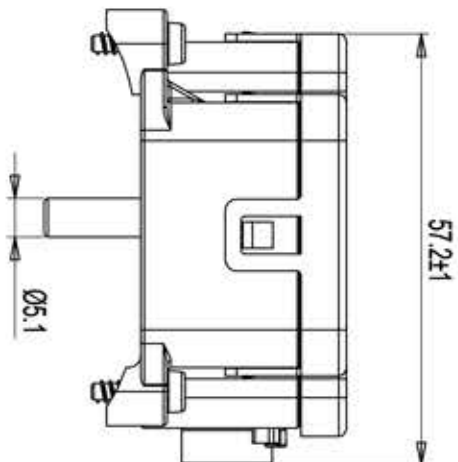


$R_u = 1K\Omega$

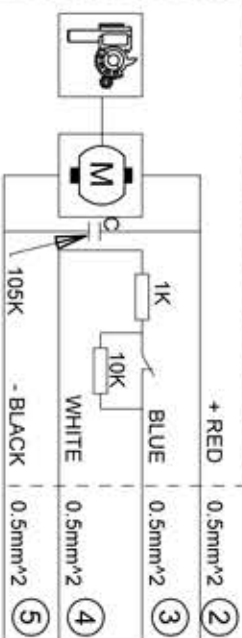
$R_L = 1K\Omega$

C-HVELA12MS001LXXXX

C-HVELA12MS001LXXXX



Emergency unlocking of the 12V locking actuator Schematic diagram



- Contact switch is normally closed
Unlock: 1KΩ
Lock: 11KΩ
- Voltage supply at motor: 12V
 - Possible Voltage supply for locking: 9V~12V
 - Typical motor current for locking: 200mA
 - Maximal motor current for locking: 1000mA
 - Maximal voltage for locking detection: 20V
 - Maximal dwell period with blocking current: 1000ms
 - Suggested adjustment time: 600ms
 - Durability (in load cycles) : >40000
 - Ambient temperature (in operation) : -40°C~+85°C
 - Ambient temperature (storage) : -40°C~+85°C
 - Cable minimum bending radius: 25*OD
 - IP-Class : IP65 (matching vehicle inlet)
 - RoHS Compliance
 - HVEL12NS001L XXXX

TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	+	-	SIGNAL($R_u=1K\Omega$)	
LOCKING	-	+	SIGNAL($R_L=11K\Omega$)	

DIMENSIONS	TOLERANCES	PROJECTION
ANSI Y14.5M	.X	±0.5
UNITS: MM	.XX	±0.05
CAD FILE	ANGLES	±2°

Amphenol Pcd Shenzhen	2024.09.18
ENGR	
CHKD	
APPD	

TITLE	SIZE	DWG NO.	REV
MCS: DC_12V ELCK	A3	C-HVELA12MS001LXXXX	1
INDIVIDUAL WIRE	SCALE	1:1	SHEET 1 OF 1

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