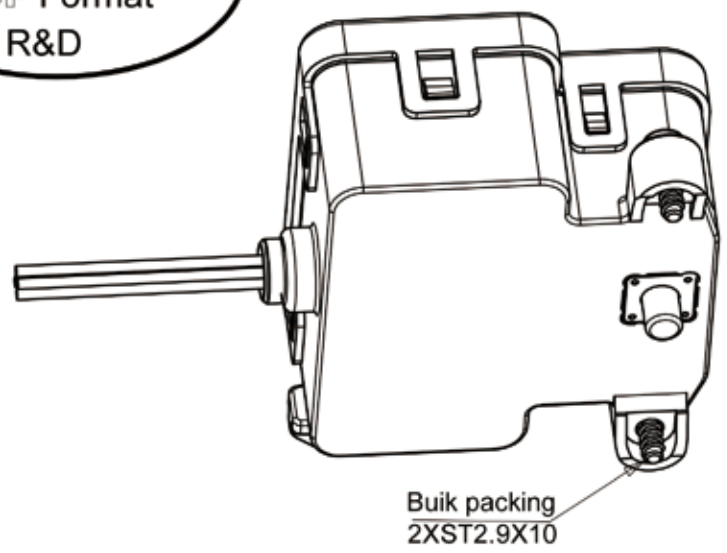
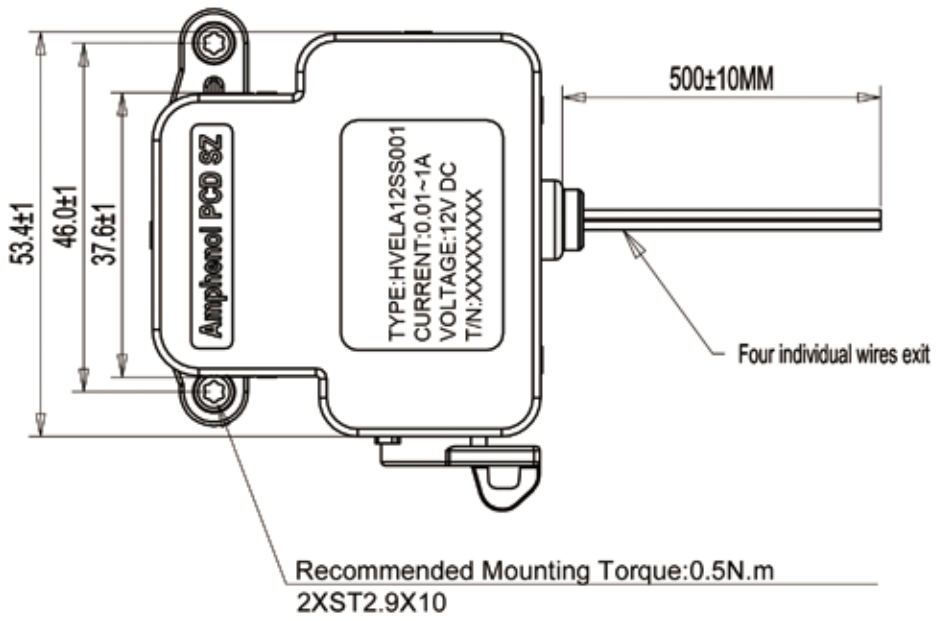
安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen
受 控 文 件
2025年6月2日

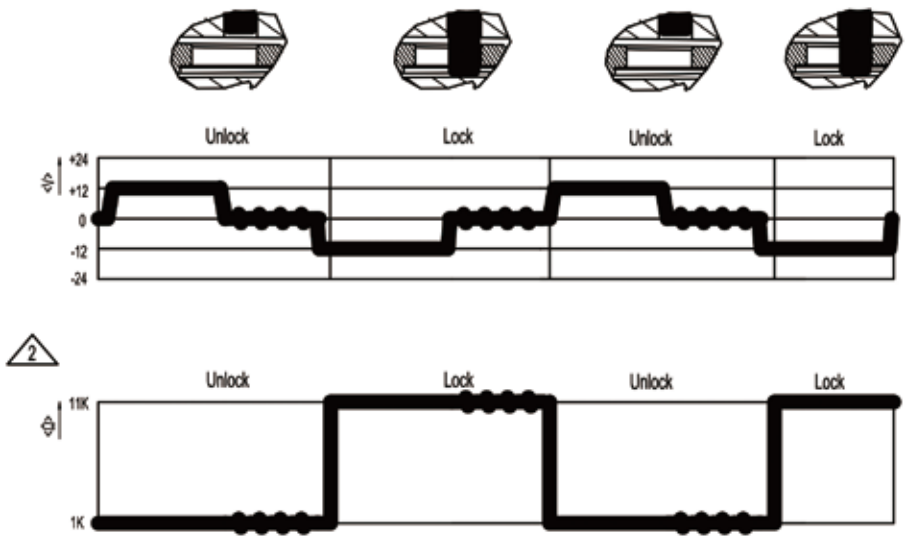
C-HVELA12SS001

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

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	2025.04.12	

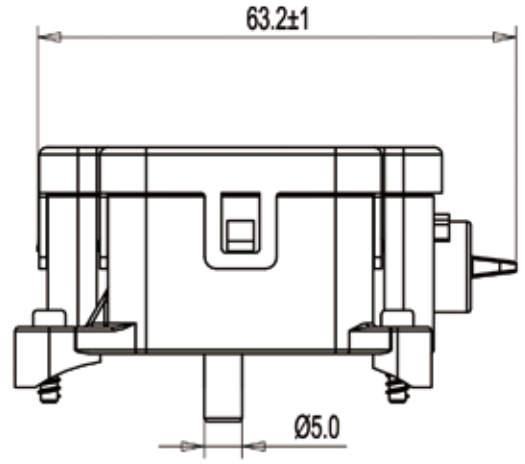


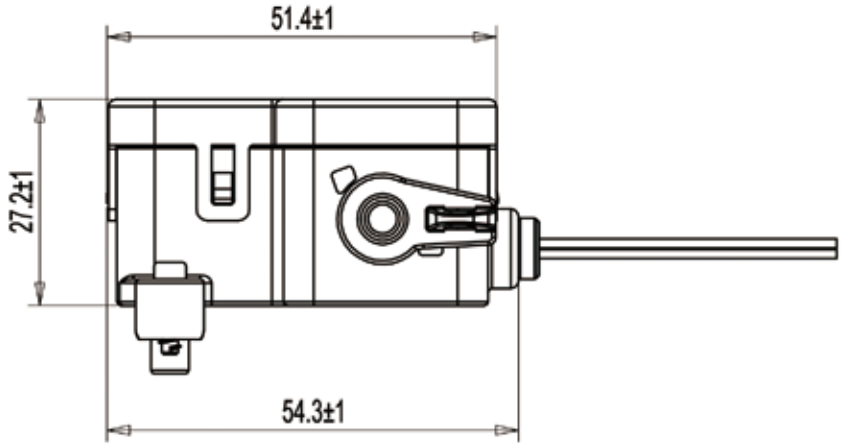




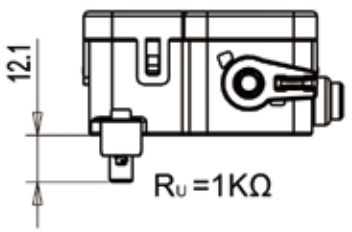
Suggested Work time:＞3000ms
Max time:N/A
Min time:400ms

Suggested adjustment time:600ms
Max time:1000ms
Min time:450ms

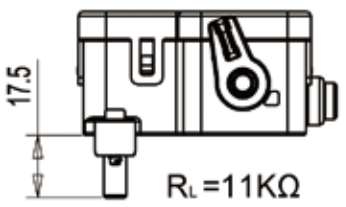




UNLOCK



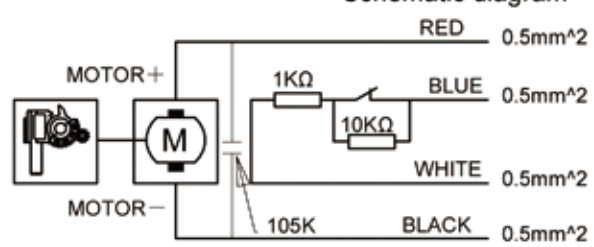
LOCK

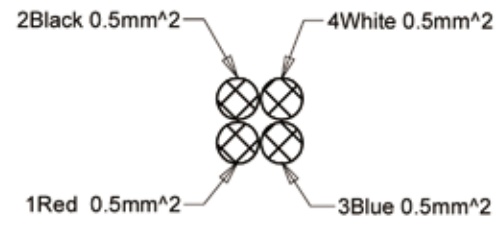


Contact switch is normally closed
Unlock：1KΩ
Lock：11KΩ
1.Voltage supply at motor：12V
2.Possible Voltage supply at motor：9V~12V
3.Typical motor current for locking：200mA
4.Maximal motor current for locking：1000mA
5.Maximal voltage for locking detection: 20V
6.Maximal dwell period with blocking current：1000ms
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) ⚠2
+ 13.RoHS Compliance

TYPE	RED	BLACK	WHITE	BLUE
UNLOCKING	POWER+	POWER−	SIGNAL(R_U=1KΩ)	
LOCKING	POWER−	POWER+	SIGNAL(R_L=11KΩ)	

Emergency unlocking of the 12V locking actuator
Schematic diagram





DIMENSIONS	TOLERANCES	PROJECTION		TITLE
ANSI Y14.5M UNITS: MM CAD FILE	.X ±0.5 .XX ±0.05 ANGLES ±2°		Amphenol Pcd Shenzhen ENGR 2022.12.08	SAE;DC12V;ELOCK
ORIGINAL	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF Amphenol PCD Shenzhen Co. Ltd Amphenol PCD Shenzhen Co. Ltd RESERVES THE RIGHT TO CLARIFY THIS DRAWING		CHKD APPD	SIZE A3 / DWG NO. C-HVELA12SS001 / REV 2 SCALE 1:1 / SHEET 1 OF 1

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