

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

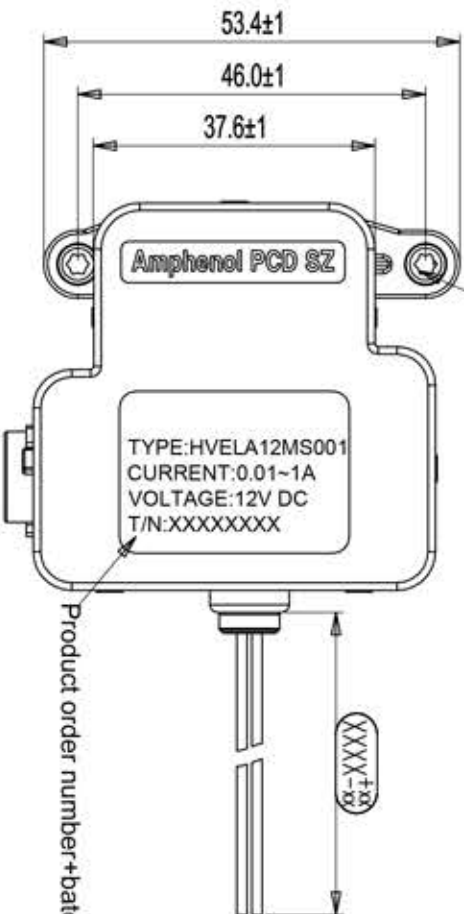
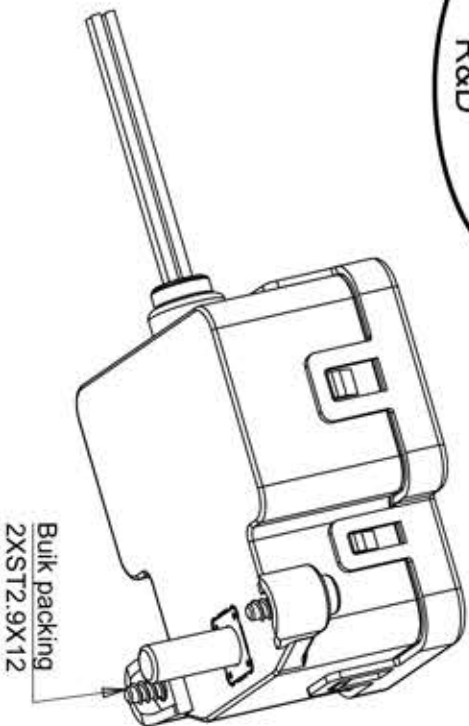
安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

受控文件

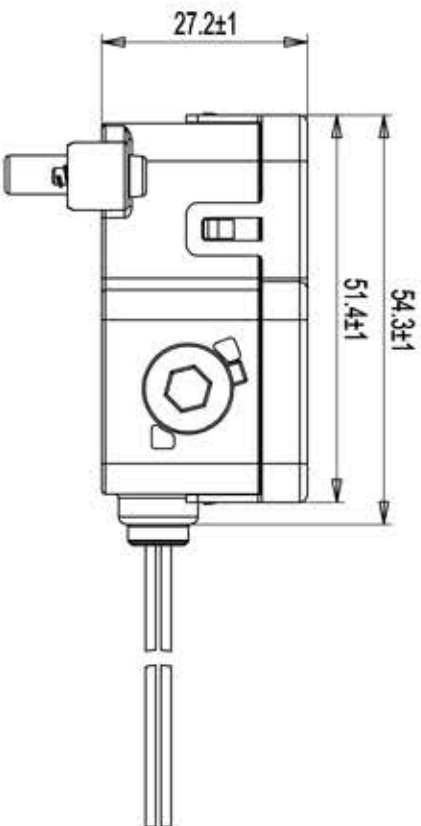
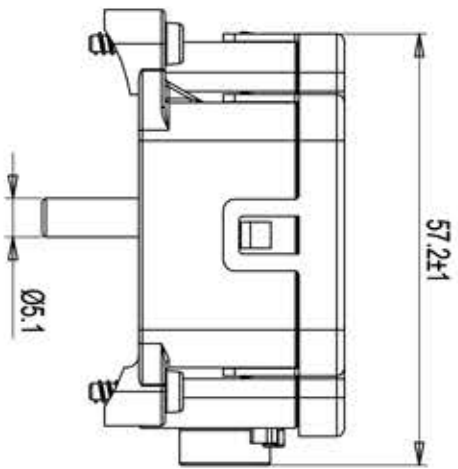
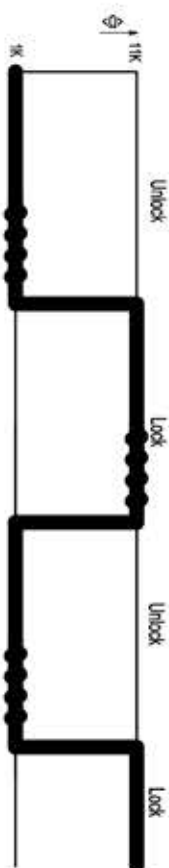
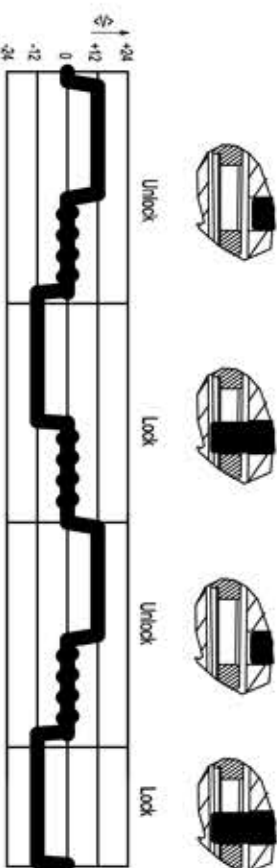
2024年9月20日

C-HVELA12MS001LXXXX

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	2024.09.18	

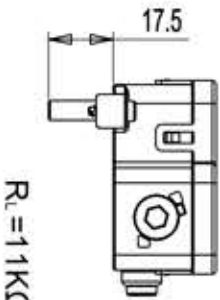
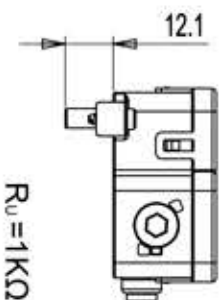


Product order number+batch number



UNLOCK

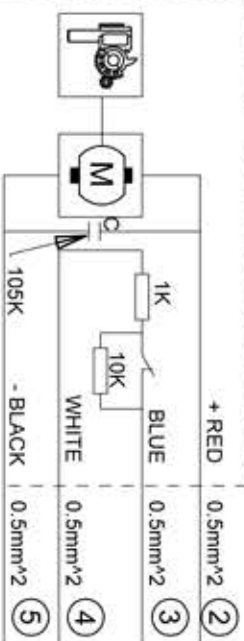
LOCK



R₀=1KΩ

R₀=1KΩ

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 ₀ =1KΩ)	
LOCKING	-	+	SIGNAL(R ₀ =11KΩ)	

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

Amphenol Pcd Shenzhen	2024.09.18
ENGR	
CHKD	
APPD	

MCS: DC_12V ELOCK
INDIVIDUAL WIRE

C-HVELA12MS001LXXXX

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

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