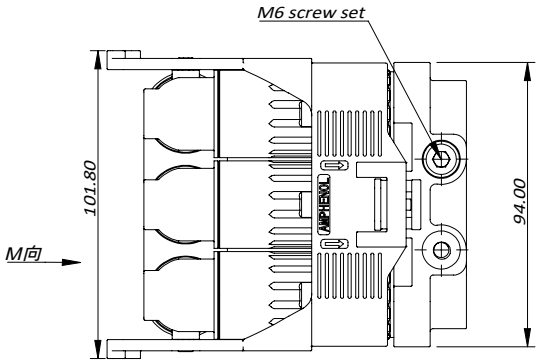
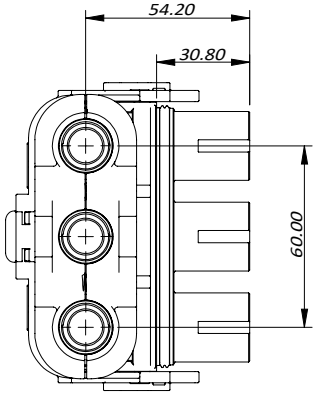
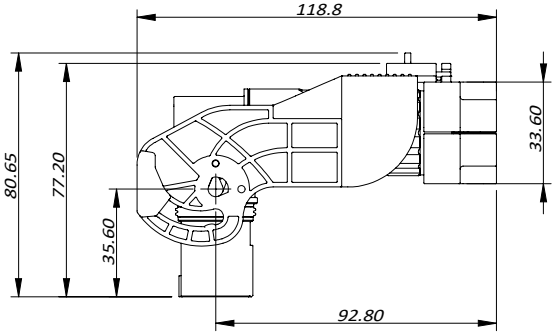
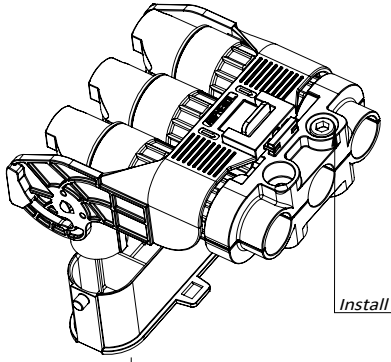
CUSTOMER DRAWING

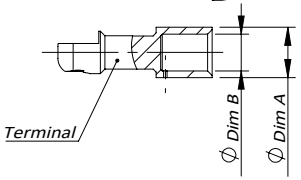


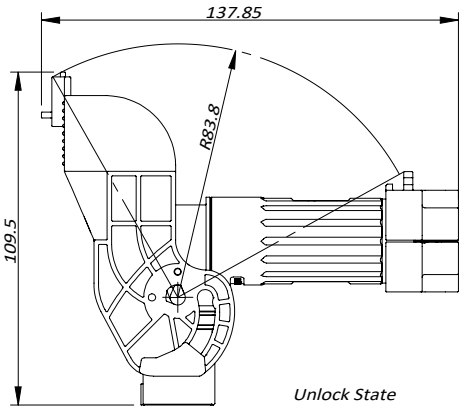




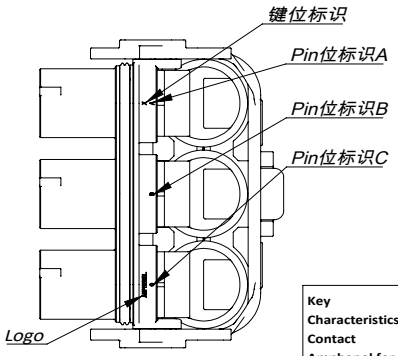
Lock State







Unlock State



M向视图

REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
A	--	INITIAL RELEASE	JX	JL	03/09/2020
B	--	Add Package specification P/N With Add Dust Cap Protection Cap	Star	JL	03/04/2021
C	--	Change the temperature of technical points and remove HVIL Protection Cap	Star	JL	01/25/2022
D	--	Change operating temperature, voltage and add HVIL protection cap	JS	JL	08/09/2022
E	--	Change specification parameters	Hogan	JL	03/21/2023

Standard Part List:

Model No.	H+S Part No.	Dia. Primary Insulation (mm)	Dia. of Screen max. (mm)	Overall-Dia. Nominal (mm)	Outside-Dia. A of terminal(mm)	Inside-Dia. B of terminal(mm)
PL283(X)-30X-70-2-5	84100298	13.7±0.3	14.6	17.0±0.3	16.7±0.3	12.2±0.3
PL283(X)-30X-50-2-5	84096257	11.5±0.3	12.6	14.9±0.3	14.0±0.3	10.0±0.3

订购信息 Ordering Information

PL283 X - 30 1 - 70 - 2 -5

Key and Color	HVIL	Cable Size	Cable Type:
"X",Orange "Y",Black	"0", NO HVIL "1",With HVIL	"70"=70mm2 "50"=50mm2	"-5", Huber+Suhner

规格参数(Spec.):

1.工作温度 Operating temperature:-40°C ~ +125°C. D

2.带高压互锁 Electrical interlock (HVIL).

3.额定电流 Current rating:
Power: 50mm^2,200A;70mm^2,250A; HVIL: 5A.

4.额定电压 Operating voltage:
Power: 1500 VDC; Signal: 60 VDC. D

5.耐 电 压 Dielectric withstanding voltage:
A.与插座对插后,Pin与铁壳之间
When mated, between pin and metal shell: 8000 VDC. E
B.与插座对插后,Pin与HVIL之间
When mated, between pin and HVIL: 8000 VDC. E
C.与插座对插后,HVIL与铁壳之间
When mated, between HVIL and metal shell: 500 VDC.
D.与插座对插前,两个HVIL端子之间耐压
Before mating, between two HVIL terminals: 500 VDC.

6.防护等级 Protection class:Mated-IP6k9k & IP67,unmated-IP2X.

7.电磁屏蔽 360°full Shielding.

8.机械寿命 Mating cycle:100 Min.

9.带CPA 的摇杆系统 Latch system with CPA. E

10.绝缘材料满足UL94 V-0 The insulation material meets the requirements of UL94V-0.

11.镀灰锌/锌镍合金,满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi)Plating.Rated at 500hours salt spray.

12.产品满足RoHS和REACH要求.Parts must be RoHS and reach compliant. C

13.绝缘体为140°RTI材料. The insulators are 140° RTI material. D

Key Characteristics Contact Amphenol for Latest Definition: C Critical 关键特性; S Significant 重要特性

签 名 SIGNATURE		日期 DATE
制 图 DRAWN	Hogan	03/21/2023
审 核 CHECKED		
批 准 APPROVAL		

Amphenol Technical Products International Asia.

第三角投影 THIRD ANGLE PROJECTION	页 面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE
	1 OF 2	A4	E	1:2.5

PART NAME: PL300 G2 3POS Right Angle Plug

DWG NO: PL283X-30X-XX-2-5

CUST PART # | CUST REV.

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1.PL DEC ± 1.00
2.PL DEC ± 0.50
3.PL DEC ± 0.20 Angles ±1°

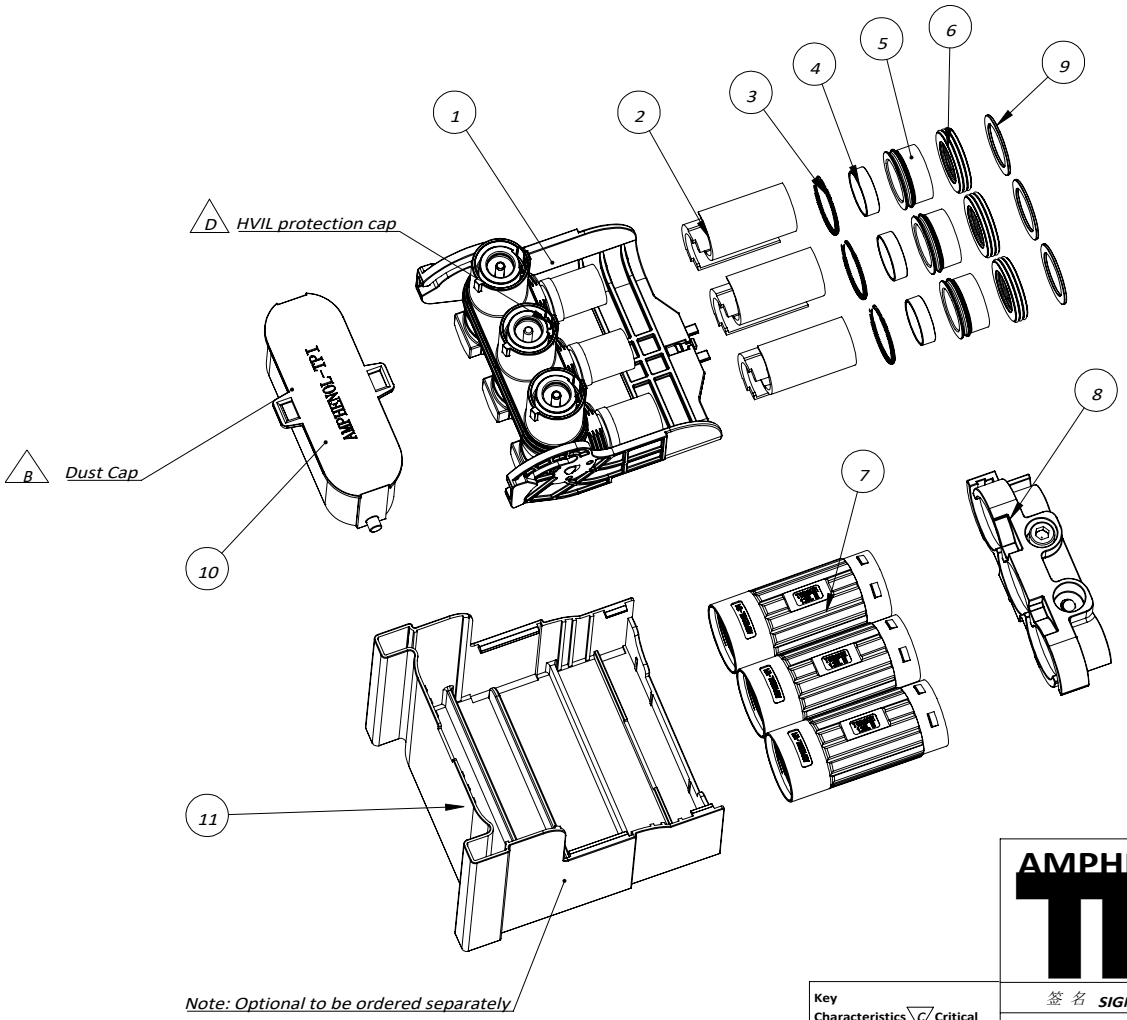
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型号 Model	Kit Package P/N	Bulk Package P/N
PL283X-300-50-2-5	AC-HA011993	AC-HA011993-2
PL283Y-300-50-2-5	AC-HA011994	AC-HA011994-2
PL283X-300-70-2-5	AC-HA011995	AC-HA011995-2
PL283Y-300-70-2-5	AC-HA011996	AC-HA011996-2
PL283X-301-50-2-5	AC-HA011997	AC-HA011997-2
PL283Y-301-50-2-5	AC-HA011998	AC-HA011998-2
PL283X-301-70-2-5	AC-HA011999	AC-HA011999-2
PL283Y-301-70-2-5	AC-HA012000	AC-HA012000-2

B

REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
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ITEM	DESCRIPTION	QTY	REMARK
11	PL300 G2 **3 POS plug protection cap**	1	Order P/N AC-CP001619
10	PL300 G2 **Dust cap for Plug**	1	
9	PL300 G2 metal gasket	3	
8	PL300 G2 R/A Tail Cap H+S cable	2	Different P/N are used according to different Cable sizes
7	PL300 G2 Back Shell 14mm-90	3	Different P/N are used according to different Cable sizes
6	PL300 G2 cale sealing	3	Different P/N are used according to different Cable sizes
5	PL300 G2 Outer Copper Ring for R/A Plug	3	Different P/N are used according to different Cable sizes
4	PL300 G2 Inner Copper Ring	3	Different P/N are used according to different Cable sizes
3	PL300 G2 Canted Coil Spring for Plug	3	
2	PL300 G2 Plastic set	6	
1	PL300 G2 Front Shell 14mm-90 Assy	1	Different P/N are used according to different Cable sizes

MATERIALS LIST

AMPHENOL TPI

Amphenol Technical Products International Asia.

第三角投影 THIRD ANGLE PROJECTION	页 面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE
	2 OF 2	A4	E	1:2.5

PART NAME: **PL300 G2 3POS Right Angle Plug**

DWG NO: **PL283X-30X-XX-2-5**

CUST PART # | CUST REV.

	签 名 SIGNATURE	日期 DATE
制 图 DRAWN	Hogan	03/21/2023
审 核 CHECKED		
批 准 APPROVAL		

UNLESS OTHERWISE SPECIFIED
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Key Characteristics Contact Amphenol for Latest Definition
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