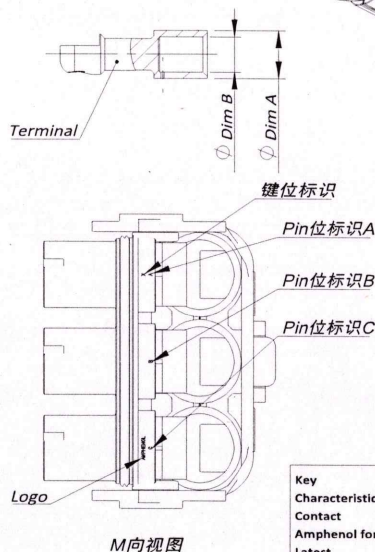
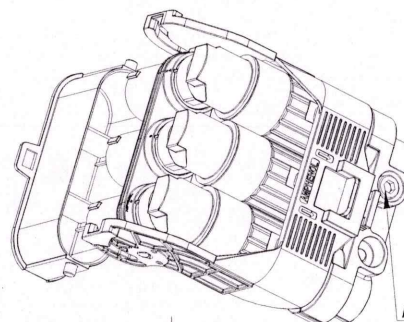
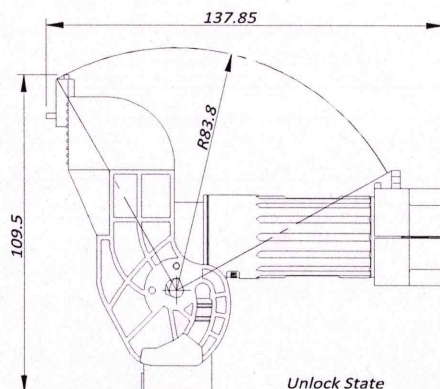
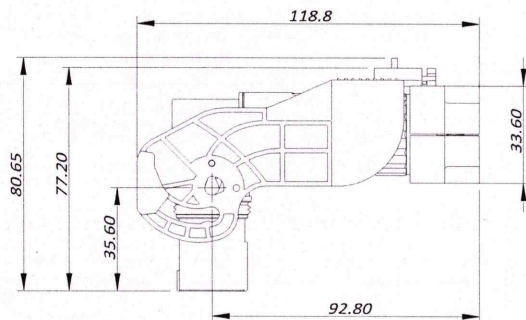
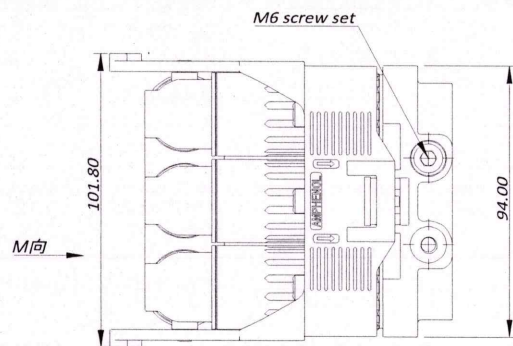


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CUSTOMER DRAWING



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

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 $\pm$ 0.3	14.6	17.0 $\pm$ 0.3	16.7 $\pm$ 0.3	12.2 $\pm$ 0.3
PL283(X)-30X-50-2-5	84096257	11.5 $\pm$ 0.3	12.6	14.9 $\pm$ 0.3	14.0 $\pm$ 0.3	10.0 $\pm$ 0.3

订购信息 Ordering Information

PL283 X - 30 1 - 70 - 2 -5

Key and Color
"X", Orange
"Y", Black

HVIL
"0", NO HVIL
"1", With HVIL

Cable Size
"70"=70mm²
"50"=50mm²

Cable Type:
"5", Huber+Suhner

规格参数(Spec.):

1. 工作温度 Operating temperature: -40°C ~ +140°C.
2. 带高压互锁 Electrical Interlock (HVIL).
3. 额定电流 Current rating:
Power: 50mm² 2,200A; 70mm² 2,250A; HVIL: 5A.
4. 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
5. 耐压 Dielectric withstanding voltage:
A. 与插座对插后, Pin与铁壳之间
When mated, between pin and metal shell: 5000 VDC.
B. 与插座对插后, Pin与HVIL之间
When mated, between pin and HVIL: 5000 VDC.
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.
10. 绝缘材料满足UL94 V-0 Inner insulation material satisfy UL94V-0.
11. 镀灰锌/镍合金, 满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi) Plating. Rated at 500 hours salt spray.
12. 产品满足RoHS和REACH要求, Parts must be RoHS and reach compliant.

Amphenol TPI
2022-02-11
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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	PART NAME:
1 OF 2	A4	C	1:2.5		PL300 G2 3POS Right Angle Plug
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1. PL DEC $\pm$ 1.00 2. PL DEC $\pm$ 0.50 3. PL DEC $\pm$ 0.20 Angles $\pm$ 1°					DWG NO: PL283X-30X-XX-2-5
					CUST PART #
					CUST REV.

签名 SIGNATURE	日期 DATE
制图 DRAWN Star	01/25/2022
审核 CHECKED JG	01/26/2022
批准 APPROVAL James	2022-1-26

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1	2	3	4	5	6	7	8
型号 Model	Kit Package P/N	Bulk Package P/N	REVISONS				
PL283X-300-50-2-5	AC-HA011993	AC-HA011993-2	REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY: DATE
PL283Y-300-50-2-5	AC-HA011994	AC-HA011994-2	A	--	INITIAL RELEASE	JX	JL 03/09/2020
PL283X-300-70-2-5	AC-HA011995	AC-HA011995-2	B	--	Add Package specification P/N With Add Dust Cap Protection Capa	Star	JL 03/04/2021
PL283Y-300-70-2-5	AC-HA011996	AC-HA011996-2	C	--	Change the temperature of technical points and remove HVIL Protection Cap	Star	JL 01/25/2022
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					

Amphenol TPI
2022 -02- 11
REGISTERED COPY

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

AMPHENOL TPI

Amphenol Technical Products International Asia.

第三角投影
THIRD ANGLE
PROJECTION

页 面 幅面 版次 比例
SHEET SIZE REV. SCALE

2 OF 2 A4 C 1:2.5

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°

签名 SIGNATURE 日期 DATE

制图 DRAWN Star 01/25/2022

审核 CHECKED Jt 01/26/2022

批准 APPROVAL Javuli 2022.1.26

Key Characteristics Critical 关键特性
Amphenol for Latest Definition Significant 重要性

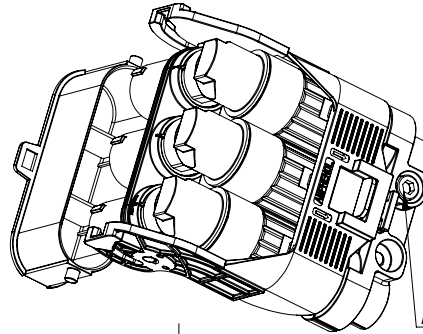
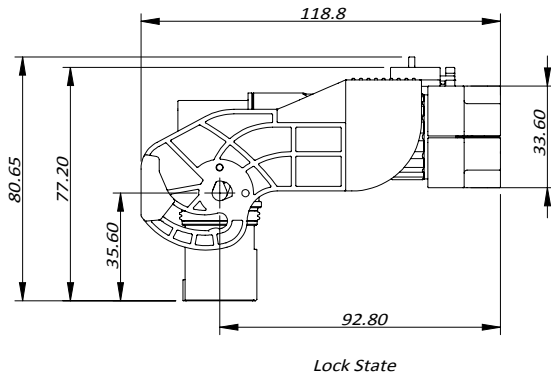
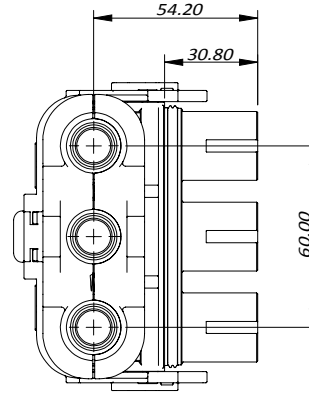
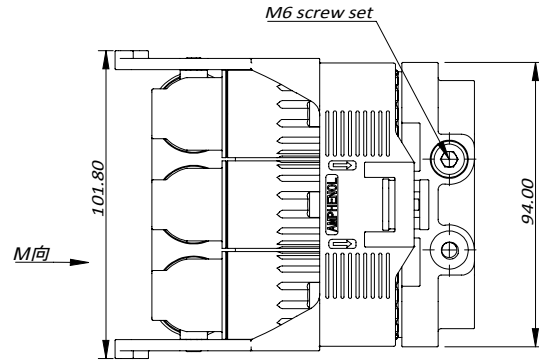
PART NAME:
PL300 G2 3POS Right Angle Plug

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

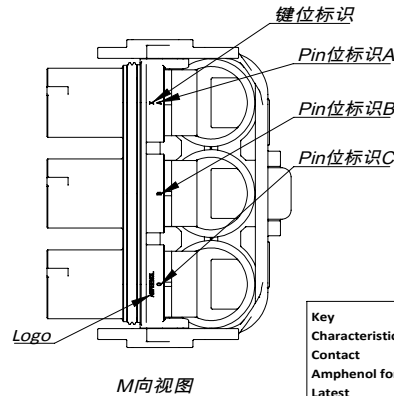
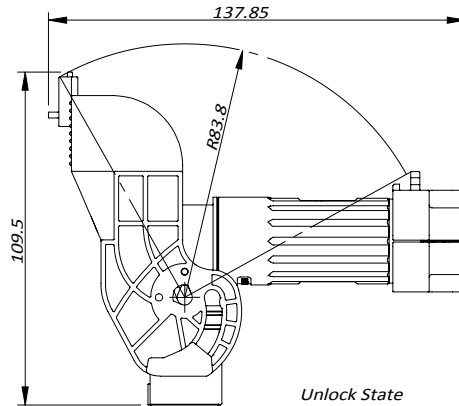
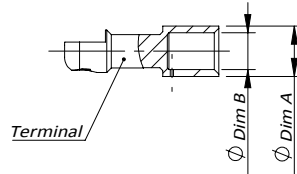
CUST PART # CUST REV.

Note: Optional to be ordered separately

CUSTOMER DRAWING



Install Torque: 3N·m±10%



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

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
"X", Orange
"Y", Black

HVIL
"0", NO HVIL
"1", With HVIL

Cable Size
"70"=70mm²
"50"=50mm²

Cable Type:
"-5", Huber+Suhner

规格参数(Spec.):

- 工作温度 Operating temperature: -40°C ~ +140°C.
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating:
Power: 50mm², 200A; 70mm², 250A; HVIL: 5A.
- 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
- 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: 5000 VDC.
B. 与插座对插后, Pin与HVIL之间
When mated, between pin and HVIL: 5000 VDC.
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.
- 防护等级 Protection class: Mated-IP6k9k & IP67, unmated-IP2X.
- 电磁屏蔽 360° full Shielding.
- 机械寿命 Mating cycle: 100 Min.
- 带CPA的摇杆系统 Latch system with CPA.
- 绝缘材料满足UL94 V-0 Inner insulation material satisfy UL94V-0.
- 镀次锌/镍合金, 满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi) Plating. Rated at 500hours salt spray.
- 产品满足RoHS和REACH要求. Parts must be RoHS and reach compliant.



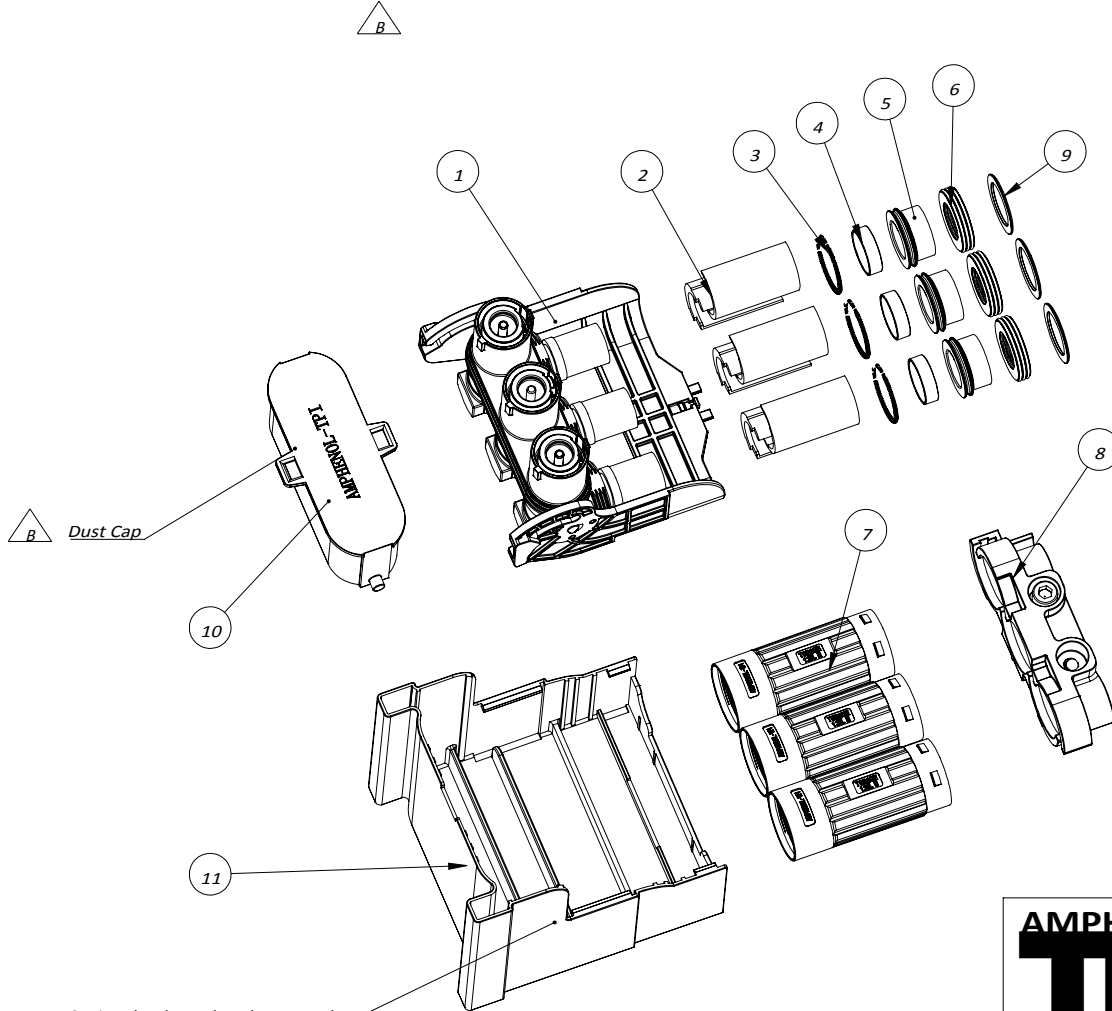
Amphenol Technical Products International Asia.

第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	PART NAME:
	1 OF 2	A4	C	1:2.5	PL300 G2 3POS Right Angle Plug
签名 SIGNATURE	日期 DATE	UNLESS OTHERWISE SPECIFIED			DWG NO:
制图 DRAWN	Star	1) All dimensions are in metric(mm).			PL283X-30X-XX-2-5
审核 CHECKED		2) Tolerances are as follows:			CUST PART #
批准 APPROVAL		1. PL DEC ± 1.00			CUST REV.
		2. PL DEC ± 0.50			
		3. PL DEC ± 0.20			
		Angles ±1°			

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1	2	3
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

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 Capa	Star	JL	03/04/2021
C	--	Change the temperature of technical points and remove HVIL Protection Cap	Star	JL	01/25/2022



11	PL300 G2 3 POS plug protection cap	1	Order P/N AC-CP001619
10	PL300 G2 Dust cap for Plug	1	
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8	PL300 G2 R/A Tail Cap H+S cable	2	Different P/N are used according to different Cable sizes
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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
ITEM	DESCRIPTION	QTY	REMARK

MATERIALS LIST



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	PART NAME:
	2 OF 2	A4	C	1:2.5	PL300 G2 3POS Right Angle Plug
签 名 SIGNATURE	日期 DATE	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°			DWG NO:
制 图 DRAWN	Star	01/25/2022			PL283X-30X-XX-2-5
审 核 CHECKED					CUST PART #
批 准 APPROVAL					CUST REV.

Key	
Characteristics	Critical
Contact	关键特性
Amphenol for	
Latest	Significant
Definition	重要特性