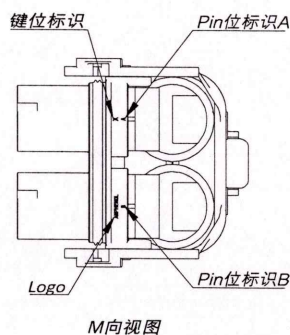
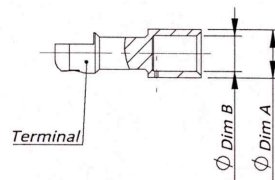
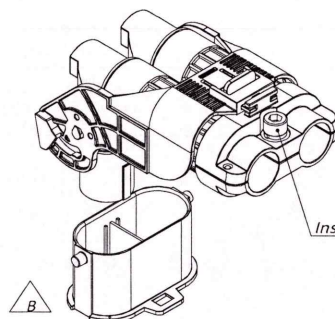
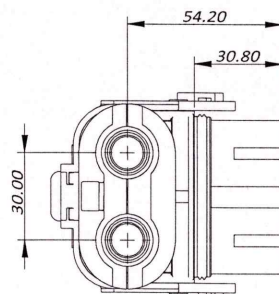
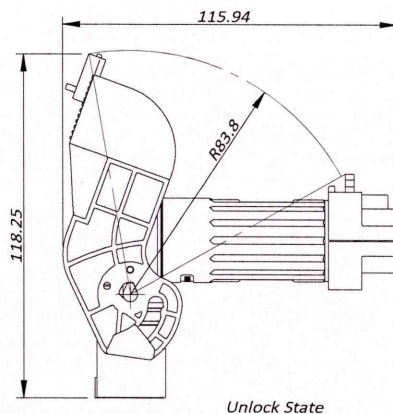
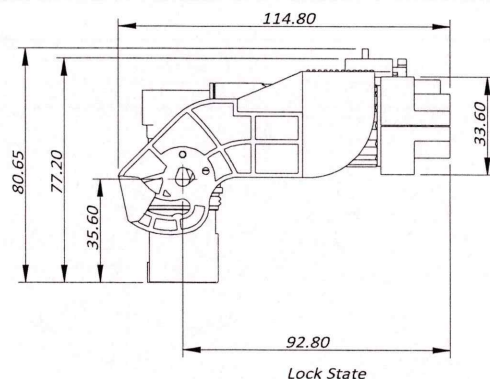
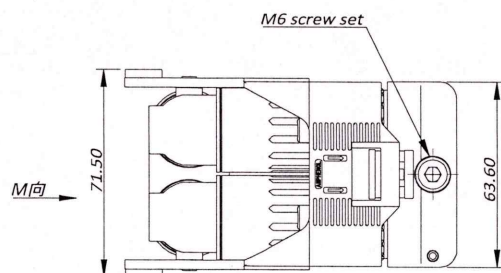


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CUSTOMER DRAWING



REVISIONS

REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
B	--	Add new parts and Key U/V	Star	James	10/13/2020
C	--	Add Package specification P/N And Protection Cap	Star	JL	03/04/2021
D	--	Add W/T key and change the temperature of technical points and remove HVIL Protection Cap	Star	JL	12/06/2021

Standard Part List:

Model No.	H+S Part No.	Dia. Primary Insulation(mm)	Dia. of Screen max. (mm)	Overall-Dia. Nominal(mm)	Outside-Dia. of terminal(mm): "A"	Inside-Dia. of terminal(mm): "B"
PL282(X)-30X-70-2-5	84100298	13.7±0.3	14.6	17.0±0.3	16.7±0.3	12.2±0.3
PL282(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

PL282 X - 30 1 - 70 - 2 -5

Key and Color

"X", Orange
"Y", Black
"U", Yellow
"V", Green
"W", Red
"T", Blue

HVIL

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

Cable Size

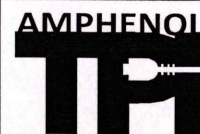
"70"=70mm²
"50"=50mm²

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, 200A; 70mm², 250A; HVIL: 5A.
4. 额定电压 Operating voltage:
Power: 1000 VDC; Signal: 60 VDC.
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: 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/镀锌合金, 符合RoHS, 满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi) Plating. RoHS compliant, Rated at 500hours salt spray.



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	D	1:2.5	PL300 G2 2POS 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°			
制图 DRAWN	Star	12/06/2021	DWG NO:		
审核 CHECKED	JL	12/06/2021	PL282X-30X-XX-2-5		
批准 APPROVAL	JL	12/06/2021	CUST PART #		CUST REV.

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1	2	3	4	5	6	7	8
型号	Kit Package P/N	Bulk Package P/N		REVISIONS			
PL282X-300-50-2-5	AC-HA011034	AC-HA011034-2		REV#	ECN#	REVISION ACTION	REV.BY: APPR.BY: DATE
PL282Y-300-50-2-5	AC-HA011035	AC-HA011035-2		A	--	INITIAL RELEASE	JX JL 03/09/2020
PL282U-300-50-2-5	AC-HA016688	AC-HA016688-2		B	--	Add new parts and Key U/V	Star James 10/13/2020
PL282V-300-50-2-5	AC-HA016689	AC-HA016689-2		C	--	Add Package specification P/N And Protection Cap	Star JL 03/04/2021
PL282W-300-50-2-5	AC-HA016690	AC-HA016690-2		D	--	Add W/T key and change the temperature of technical points and remove HVIL Protection Cap	Star JL 12/06/2021
PL282T-300-50-2-5	AC-HA016691	AC-HA016691-2					
PL282X-300-70-2-5	AC-HA011036	AC-HA011036-2					
PL282Y-300-70-2-5	AC-HA011037	AC-HA011037-2					
PL282U-300-70-2-5	AC-HA016692	AC-HA016692-2					
PL282V-300-70-2-5	AC-HA016693	AC-HA016693-2					
PL282W-300-70-2-5	AC-HA016694	AC-HA016694-2					
PL282T-300-70-2-5	AC-HA016695	AC-HA016695-2					
PL282X-301-50-2-5	AC-HA011042	AC-HA011042-2					
PL282Y-301-50-2-5	AC-HA011043	AC-HA011043-2					
PL282U-301-50-2-5	AC-HA016696	AC-HA016696-2					
PL282V-301-50-2-5	AC-HA016697	AC-HA016697-2					
PL282W-301-50-2-5	AC-HA016698	AC-HA016698-2					
PL282T-301-50-2-5	AC-HA016699	AC-HA016699-2					
PL282X-301-70-2-5	AC-HA011044	AC-HA011044-2					
PL282Y-301-70-2-5	AC-HA011045	AC-HA011045-2					
PL282U-301-70-2-5	AC-HA016700	AC-HA016700-2					
PL282V-301-70-2-5	AC-HA016701	AC-HA016701-2					
PL282W-301-70-2-5	AC-HA016702	AC-HA016702-2					
PL282T-301-70-2-5	AC-HA016703	AC-HA016703-2					

Dust Cap

Note: Optional to be ordered separately

ITEM	DESCRIPTION	QTY	REMARK
11	PL300 G2 2POS plug protection cap	1	Order P/N AC-CP001617
10	PL300 G2 Dust cap for Plug	1	
9	PL300 G2 metal gasket	2	
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	2	Different P/N are used according to different Cable sizes
6	PL300 G2 cable sealing	2	Different P/N are used according to different Cable sizes
5	PL300 G2 Outer Copper Ring for R/A Plug	2	Different P/N are used according to different Cable sizes
4	PL300 G2 Inner Copper Ring	2	Different P/N are used according to different Cable sizes
3	PL300 G2 Canted Coil Spring for Plug	2	
2	PL300 G2 Plastic set	4	
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
SHEET

幅 面
SIZE

版 次
REV.

比 例
SCALE

PART NAME:
PL300 G2 2POS Right Angle Plug

签 名 SIGNATURE
日期 DATE

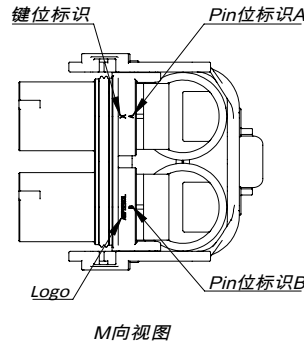
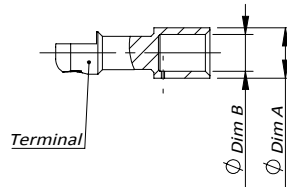
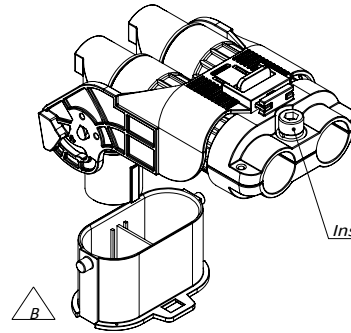
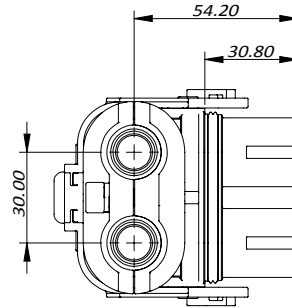
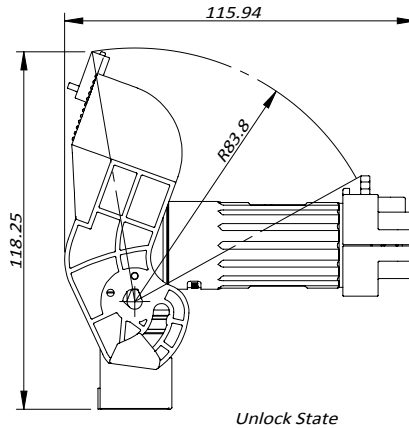
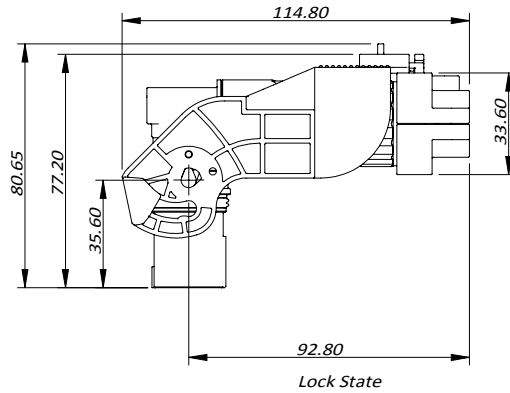
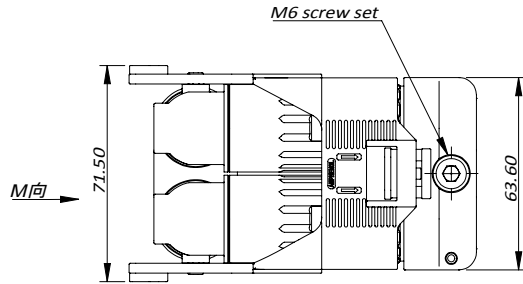
制 图 DRAWN
审核 CHECKED
批准 APPROVAL

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:
PL282X-30X-XX-2-5

CUST PART #
CUST REV.

CUSTOMER DRAWING



REVISIONS					
REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
B	--	Add new parts and Key U/V	Star	James	10/13/2020
C	--	Add Package Specification P/N And Protection Cap	Star	JL	03/04/2021
D	--	Add W/T key and change the temperature of technical points and remove HVIL Protection Cap	Star	JL	12/06/2021

Standard Part List:

Model No.	H+S Part No.	Dia. Primary Insulation(mm)	Dia. of Screen max. (mm)	Overall-Dia. Nominal(mm)	Outside-Dia. of terminal(mm):"A"	Inside-Dia. of terminal(mm):"B"
PL282(X)-30X-70-2-5	84100298	13.7±0.3	14.6	17.0±0.3	16.7±0.3	12.2±0.3
PL282(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

PL282 X - 30 1 - 70 - 2 - 5

Key and Color

"X", Orange
"Y", Black
"U", Yellow
"V", Green
"W", Red
"T", Blue

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, 2,200A; 70mm², 2,250A; 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.
- 镀灰锌/锌镍合金, 符合RoHS, 满足500H中性盐雾实验
Gray Zinc/Nickel(ZnNi) Plating. RoHS compliant, Rated at 500hours salt spray.



Amphenol Technical Products International Asia.

		第三角投影 THIRD ANGLE PROJECTION				PART NAME:	
		SHEET		SIZE		REV.	
		SCALE					
		1 OF 2	A4	D	1:2.5		
签名 SIGNATURE		日期 DATE	UNLESS OTHERWISE SPECIFIED			DWG NO:	
制图 DRAWN	Star	12/06/2021	1) All dimensions are in metric(mm).			PL282X-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°				

1	2	3	4	5	6	7	8
型号	Kit Package P/N	Bulk Package P/N		REVISIONS			
PL282X-300-50-2-5	AC-HA011034	AC-HA011034-2		REV#	ECN#	REVISION ACTION	REV.BY: APPR.BY: DATE
PL282Y-300-50-2-5	AC-HA011035	AC-HA011035-2		A	--	INITIAL RELEASE	JX JL 03/09/2020
PL282U-300-50-2-5	AC-HA016688	AC-HA016688-2		B	--	Add new parts and Key U/V	Star James 10/13/2020
PL282V-300-50-2-5	AC-HA016689	AC-HA016689-2		C	--	Add Package specification P/N And Protection Cap	Star JL 03/04/2021
PL282W-300-50-2-5	AC-HA016690	AC-HA016690-2		D	--	Add W/T key and change the temperature of technical points and remove HVIL Protection Cap	Star JL 12/06/2021
PL282T-300-50-2-5	AC-HA016691	AC-HA016691-2					
PL282X-300-70-2-5	AC-HA011036	AC-HA011036-2					
PL282Y-300-70-2-5	AC-HA011037	AC-HA011037-2					
PL282U-300-70-2-5	AC-HA016692	AC-HA016692-2					
PL282V-300-70-2-5	AC-HA016693	AC-HA016693-2					
PL282W-300-70-2-5	AC-HA016694	AC-HA016694-2					
PL282T-300-70-2-5	AC-HA016695	AC-HA016695-2					
PL282X-301-50-2-5	AC-HA011042	AC-HA011042-2					
PL282Y-301-50-2-5	AC-HA011043	AC-HA011043-2					
PL282U-301-50-2-5	AC-HA016696	AC-HA016696-2					
PL282V-301-50-2-5	AC-HA016697	AC-HA016697-2					
PL282W-301-50-2-5	AC-HA016698	AC-HA016698-2					
PL282T-301-50-2-5	AC-HA016699	AC-HA016699-2					
PL282X-301-70-2-5	AC-HA011044	AC-HA011044-2					
PL282Y-301-70-2-5	AC-HA011045	AC-HA011045-2					
PL282U-301-70-2-5	AC-HA016700	AC-HA016700-2					
PL282V-301-70-2-5	AC-HA016701	AC-HA016701-2					
PL282W-301-70-2-5	AC-HA016702	AC-HA016702-2					
PL282T-301-70-2-5	AC-HA016703	AC-HA016703-2					

Dust Cap

Note: Optional to be ordered separately

11	PL300 G2 2POS plug protection cap	1	Order P/N AC-CP001617
10	PL300 G2 Dust cap for Plug	1	
9	PL300 G2 metal gasket	2	
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	2	Different P/N are used according to different Cable sizes
6	PL300 G2 cale sealing	2	Different P/N are used according to different Cable sizes
5	PL300 G2 Outer Copper Ring for R/A Plug	2	Different P/N are used according to different Cable sizes
4	PL300 G2 Inner Copper Ring	2	Different P/N are used according to different Cable sizes
3	PL300 G2 Canted Coil Spring for Plug	2	
2	PL300 G2 Plastic set	4	
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

TP

第三角投影

THIRD ANGLE PROJECTION

签名 SIGNATURE

日期 DATE

制图 DRAWN

审核 CHECKED

批准 APPROVAL

星

12/06/2021

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°

PART NAME:

PL300 G2 2POS Right Angle Plug

DWG NO:

PL282X-30X-XX-2-5

CUST PART #

CUST REV.

Amphenol Technical Products International Asia.

页面 幅面 版次 比例

SHEET SIZE REV. SCALE

2 OF 2 A4 D 1:2.5

11	PL300 G2 2POS plug protection cap	1	Order P/N AC-CP001617
10	PL300 G2 Dust cap for Plug	1	
9	PL300 G2 metal gasket	2	
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	2	Different P/N are used according to different Cable sizes
6	PL300 G2 cale sealing	2	Different P/N are used according to different Cable sizes
5	PL300 G2 Outer Copper Ring for R/A Plug	2	Different P/N are used according to different Cable sizes
4	PL300 G2 Inner Copper Ring	2	Different P/N are used according to different Cable sizes
3	PL300 G2 Canted Coil Spring for Plug	2	
2	PL300 G2 Plastic set	4	
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 TP		Amphenol Technical Products International Asia.					
第三角投影 THIRD ANGLE PROJECTION 		页 面	幅 面	版 次	比 例	PART NAME: PL300 G2 2POS Right Angle Plug	
		SHEET	SIZE	REV.	SCALE		
		2 OF 2	A4	D	1:2.5		
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			DWG NO: PL282X-30X-XX-2-5	
制 图 DRAWN	Star	12/06/2021	Angles ±1°				
审 核 CHECKED						CUST PART #	
批 准 APPROVAL						CUST REV.	