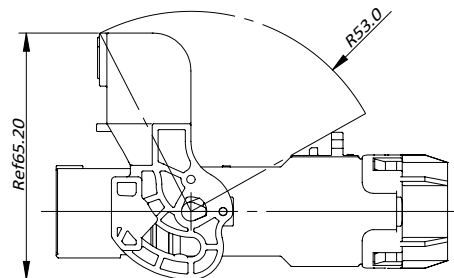
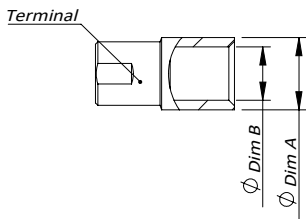
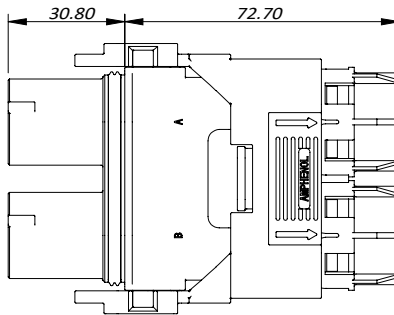
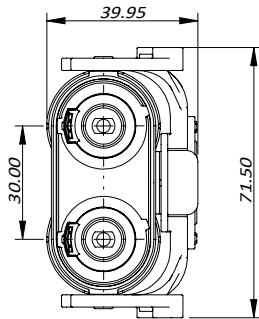
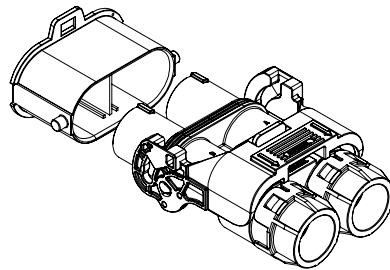


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CUSTOMER DRAWING



订购信息 Ordering Information

PL182 X - 30 1 - 95 - 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

"95"=95mm²

Cable Type:

"-5", Huber+Suhner

规格参数(Spec.):

- 工作温度 Operating temperature : -40°C ~ +125°C.
- 带高压互锁 Electrical interlock (HVIL).
- 额定电流 Current rating:
Power: 95mm²2,300A; HVIL: 5A.
- 额定电压 Operating voltage:
Power: 1500 VDC; Signal: 60 VDC. $\triangle 2$
- 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: 6000 VDC. $\triangle 2$
B. 与插座对插后, Pin与HVIL之间
When mated, between pin and HVIL: 6000 VDC. $\triangle 2$
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.
- 产品满足RoHS和Reach要求. RoHS and Reach compliant. $\checkmark$
- 绝缘体为140°RTI材料. The insulators are 140° RTI material. $\triangle 2$

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"
PL182(X)-30X-95-2-5	84100299	16.2	17.3	19.9±0.4	17.7±0.3	14.1±0.3

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



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	02	--	PL300 G2 2POS Straight 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	July.su	07/28/2022			
审核 CHECKED					
批准 APPROVAL					
					CUST PART #
					CUST REV.

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1	2	3	4	5	6	7	8	
型号 Model	Kit Package P/N	Bulk Package P/N	REV#					REV#
PL182X-300-95-2-5	AC-HA019991	AC-HA019991-2	ECN#					ECN#
PL182Y-300-95-2-5	AC-HA019992	AC-HA019992-2	REVISION ACTION					REVISION ACTION
PL182U-300-95-2-5	AC-HA019993	AC-HA019993-2	REV.BY:					REV.BY:
PL182V-300-95-2-5	AC-HA019994	AC-HA019994-2	APPR.BY:					APPR.BY:
PL182W-300-95-2-5	AC-HA019995	AC-HA019995-2	DATE					DATE
PL182T-300-95-2-5	AC-HA019996	AC-HA019996-2	01					01
PL182X-301-95-2-5	AC-HA019997	AC-HA019997-2	--					--
PL182Y-301-95-2-5	AC-HA019998	AC-HA019998-2	INITIAL RELEASE					INITIAL RELEASE
PL182U-301-95-2-5	AC-HA019999	AC-HA019999-2	JS					JS
PL182V-301-95-2-5	AC-HA020000	AC-HA020000-2	07/21/2021					07/21/2021
PL182W-301-95-2-5	AC-HA020001	AC-HA020001-2	Change operating voltage					Change operating voltage
PL182T-301-95-2-5	AC-HA020002	AC-HA020002-2	JL					JL
			07/28/2022					07/28/2022

Dust Cap

12

13

2

3

4

5

6

7

8

9

10

11

1

HVIL Protection Cap

Note: Optional to ordered separately

13	PL300 G2 2 POS plug protection cap	1	Order P/N AC-CP001616
12	PL300 G2 Dust Cap for Plug	1	
11	PL300 G2 Lock Housing1	4	Different P/N are used according to different Cable sizes
10	PL300 G2 Lock Housing2	2	
9	PL300 G2 Metal Gasket	2	Different P/N are used according to different Cable sizes
8	PL300 G2 Tail Cap for straight plug	2	Different P/N are used according to different Cable sizes
7	PL300 G2 cable sealing for straight plug	2	Different P/N are used according to different Cable sizes
6	PL300 G2 Inner Copper Ring	2	Different P/N are used according to different Cable sizes
5	PL300 G2 Outer Copper Ring for Straight Plug	2	
4	PL300 G2 Coil Spring for Straight Plug	2	Different P/N are used according to different Cable sizes
3	PL300 G2 Terminal Assy	2	
2	PL300 G2 Insulation Sleeve Assy	2	
1	PL300 G2 Shell Plug Assy	1	Different P/N are used according to different Cable sizes
ITEM	DESCRIPTION	QTY	REMARK

AMPHENOL

TP

Key Characteristics

Contact

Amphenol for Latest Definition

Critical

关键特性

Significant

重要特性

签名

DATE

制图

审核

批准

SIGNATURE

DATE

DRAWN

CHECKED

APPROVAL

July.su

07/28/2022

第三角投影

THIRD ANGLE PROJECTION

页面

SHEET

幅面

SIZE

版次

REV.

比例

SCALE

2 OF 2

A4

02

--

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 Straight Plug

DWG NO:

PL182X-30X-95-2-5

CUST PART #

CUST REV.