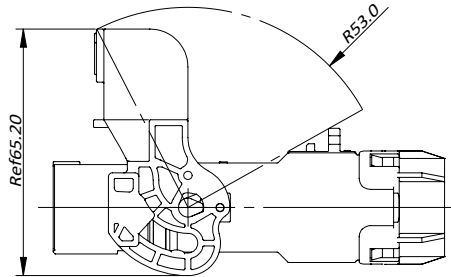
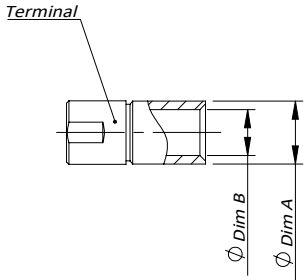
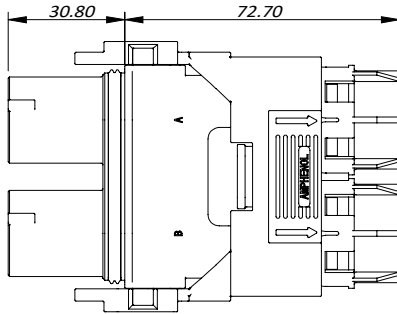
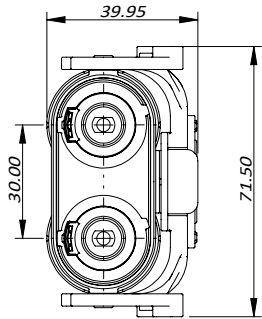
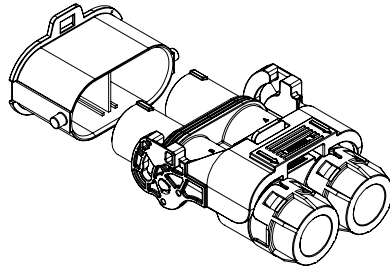


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CUSTOMER DRAWING



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-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
PL182(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

REVISIONS

REV#	ECN#	REVISION ACTION	REV.BY:	APPR.BY:	DATE
A	--	INITIAL RELEASE	JX	JL	03/09/2020
B	--	Add new parts and Key U/V	Star	James	10/13/2020
C	--	Add Protection Cap And KeyW/T	Star	JL	03/04/2021
D	--	Change the temperature of technical points	Star	JL	12/03/2021
E	--	Change operating temperature, voltage	JS	JL	08/09/2022
F	--	Change specification parameters	Hogan	JL	03/21/2023

订购信息 Ordering Information

PL182 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 ~ +125°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: 1500 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: 8000 VDC.
B. 与插座对插后, Pin与HVIL之间
When mated, between pin and HVIL: 8000 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 The insulation material meets the requirements of UL94V-0.
- 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.
- 产品满足RoHS和REACH要求. Parts must be RoHS and reach compliant.
- 绝缘体为140°RTI材料. The insulators are 140° RTI material.



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	F	--	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 $\pm$ 1.00 2. PL DEC $\pm$ 0.50 3. PL DEC $\pm$ 0.20 Angles $\pm$ 1°			DWG NO: PL182X-30X-XX-2-5
制图 DRAWN	Hogan	03/21/2023			
审核 CHECKED					
批准 APPROVAL					
					CUST PART #
					CUST REV.

Key Characteristics
Contact
Amphenol for Latest Definition

Critical 关键特性

Significant 重要特性

型号 Model	Kit Package P/N	Bulk Package P/N
PL182X-300-50-2-5	AC-HA011002	AC-HA011002-2
PL182Y-300-50-2-5	AC-HA011003	AC-HA011003-2
PL182U-300-50-2-5	AC-HA016672	AC-HA016672-2
PL182V-300-50-2-5	AC-HA016673	AC-HA016673-2
PL182W-300-50-2-5	AC-HA016674	AC-HA016674-2
PL182T-300-50-2-5	AC-HA016675	AC-HA016675-2
PL182X-300-70-2-5	AC-HA011004	AC-HA011004-2
PL182Y-300-70-2-5	AC-HA011005	AC-HA011005-2
PL182U-300-70-2-5	AC-HA016676	AC-HA016676-2
PL182V-300-70-2-5	AC-HA016677	AC-HA016677-2
PL182W-300-70-2-5	AC-HA016678	AC-HA016678-2
PL182T-300-70-2-5	AC-HA016679	AC-HA016679-2
PL182X-301-50-2-5	AC-HA011010	AC-HA011010-2
PL182Y-301-50-2-5	AC-HA011011	AC-HA011011-2
PL182U-301-50-2-5	AC-HA016680	AC-HA016680-2
PL182V-301-50-2-5	AC-HA016681	AC-HA016681-2
PL182W-301-50-2-5	AC-HA016682	AC-HA016682-2
PL182T-301-50-2-5	AC-HA016683	AC-HA016683-2
PL182X-301-70-2-5	AC-HA011012	AC-HA011012-2
PL182Y-301-70-2-5	AC-HA011013	AC-HA011013-2
PL182U-301-70-2-5	AC-HA016684	AC-HA016684-2
PL182V-301-70-2-5	AC-HA016685	AC-HA016685-2
PL182W-301-70-2-5	AC-HA016686	AC-HA016686-2
PL182T-301-70-2-5	AC-HA016687	AC-HA016687-2

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
MATERIALS LIST			

