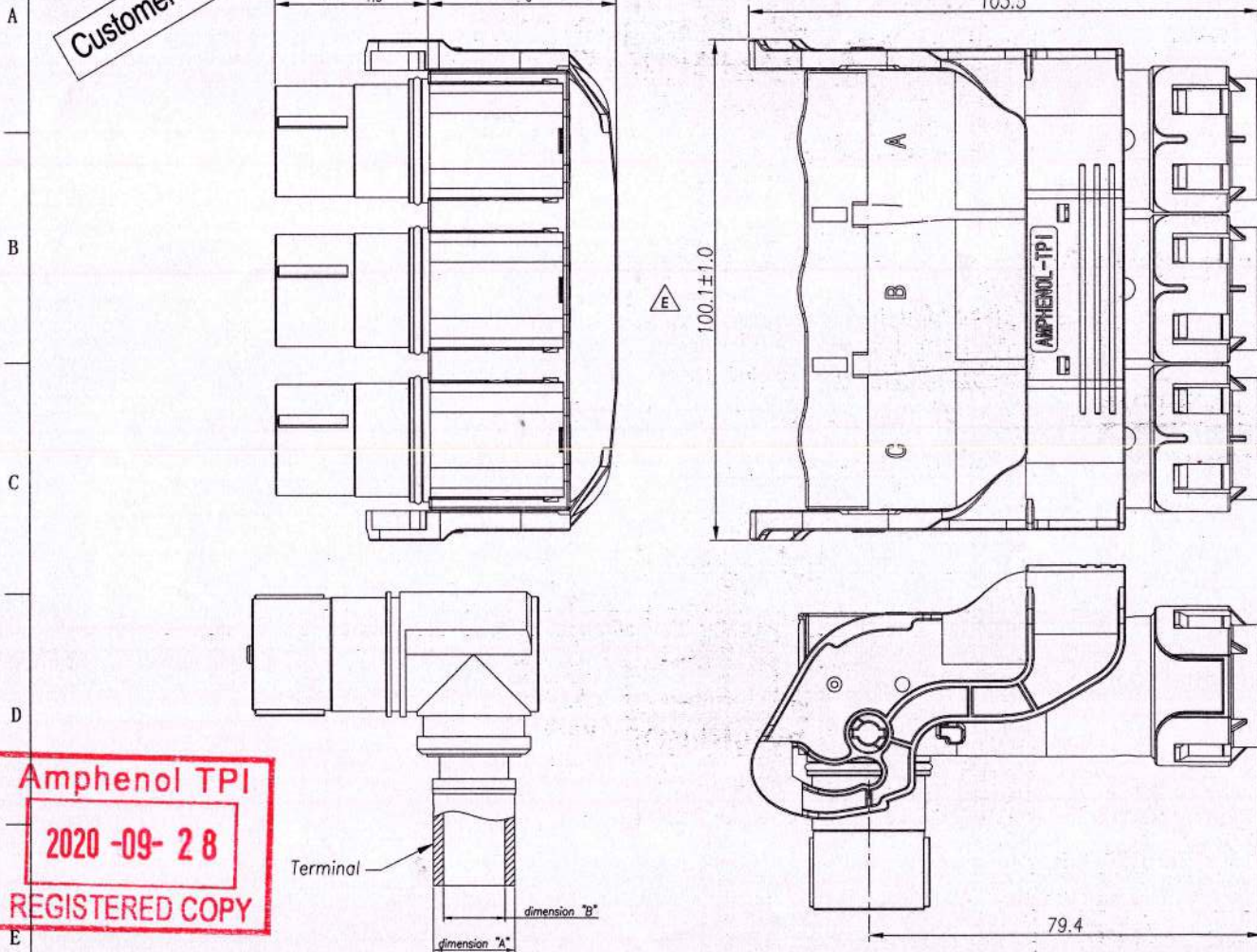


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Customer Drawing



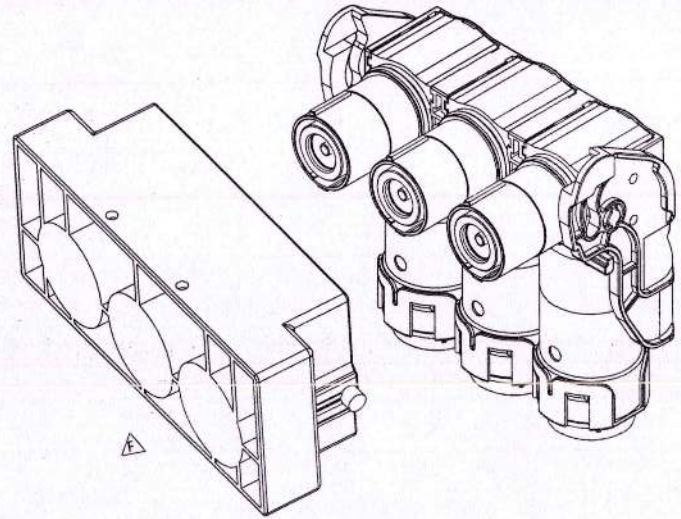
Amphenol TPI
2020-09-28
REGISTERED COPY

- 规格参数 (Spec.):
1. 工作温度 Operating temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
 2. 额定电流 Current rating (Connector Only): $35\text{mm}^2: 150\text{A}; 50\text{mm}^2: 200\text{A}; 70\text{mm}^2: 250\text{A}$.
 3. 额定电压 Operating voltage: 1000 VDC.
 4. 耐电压 Dielectric withstanding voltage: 5000 VDC.
 5. 防护等级 Protection class: IP67 & IP2X.
 6. 电磁屏蔽 Shielding.
 7. 机械寿命 Mating cycle: 100 Min.
 8. 带自动二次锁扣 Automatic secondary lock.
 9. 带高压互锁 Electrical interlock (HVIL).

订购信息 Ordering Information

PL28 3 X - 30 1 - 70 - 5		
键位及颜色 Key	高压互锁 HVIL	线缆大小 Cable Size
"X" Key	0, 不带互锁 No HVIL	*70"=70mm ²
"Y" Key	1, 带互锁 With HVIL	*50"=50mm ²
		*35"=35mm ²

REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	--	--	INITIAL RELEASE	05/06/16	KC	GX
B	--	--	Update cable specifications	12/26/17	Sam	Penny
C	--	ECNG180802	Add Metal Cover And Sealing Ring	08/21/18	Fred	JL
D	--	ECNG180802	Update Spec	08/29/18	Fred	JL
E	--	ECNG191017	Change dimension tolerance	10/25/19	Steven	JL
F	--		Add Protection Cap	09/10/20	Steven	JL



Standard Part List (With HVIL)

Model NO.	overall-diameter nominal (mm)	Dia Primary Insulation (mm)	outside-diameter of terminal (mm): "A"	inside-diameter of terminal (mm): "B"
PL283X-301-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283Y-301-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283X-301-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283Y-301-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283X-301-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3
PL283Y-301-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3

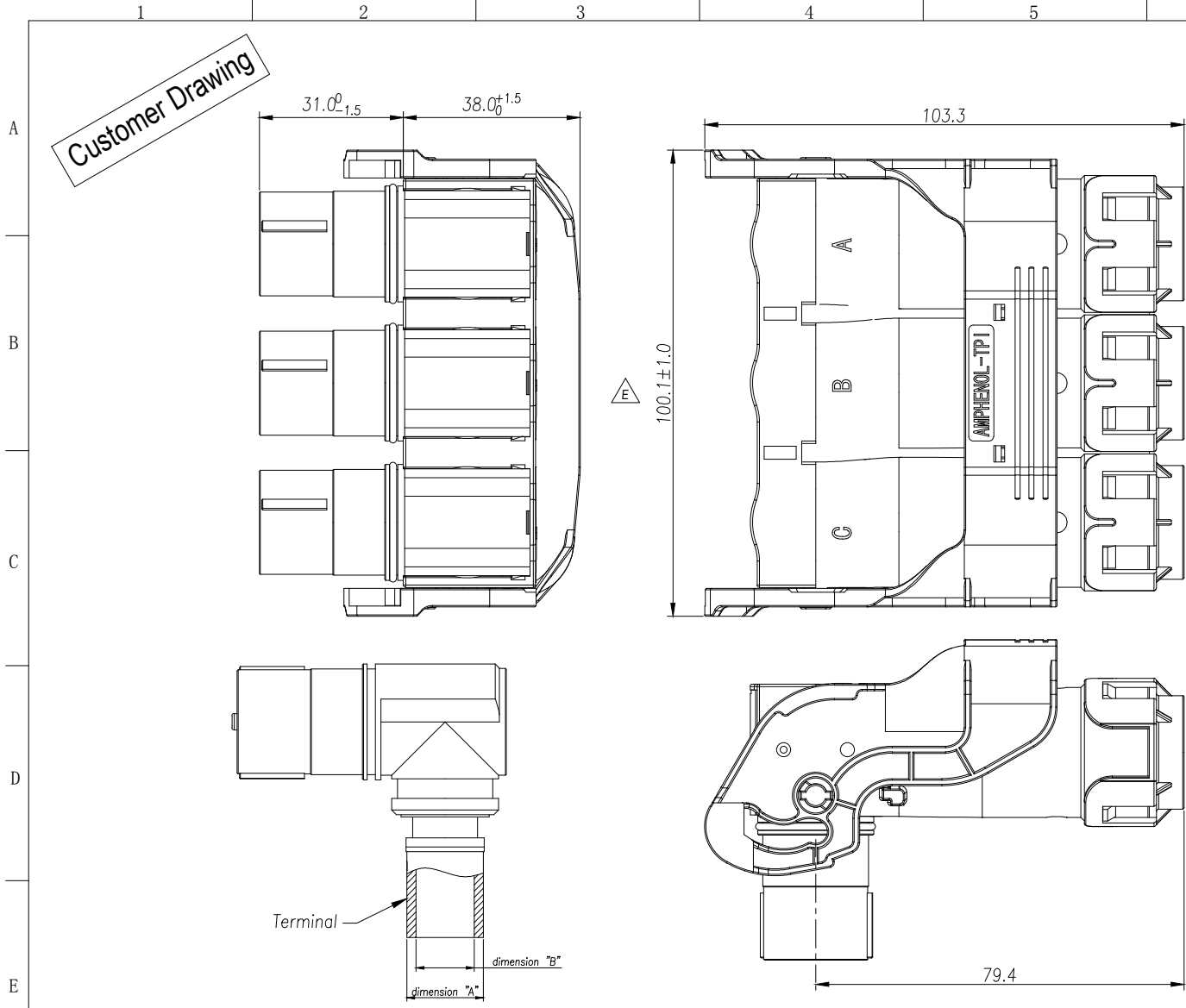
Standard Part List (Without HVIL)

Model NO.	overall-diameter nominal (mm)	Dia Primary Insulation (mm)	outside-diameter of terminal (mm): "A"	inside-diameter of terminal (mm): "B"
PL283X-300-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283Y-300-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283X-300-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283Y-300-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283X-300-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3
PL283Y-300-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3

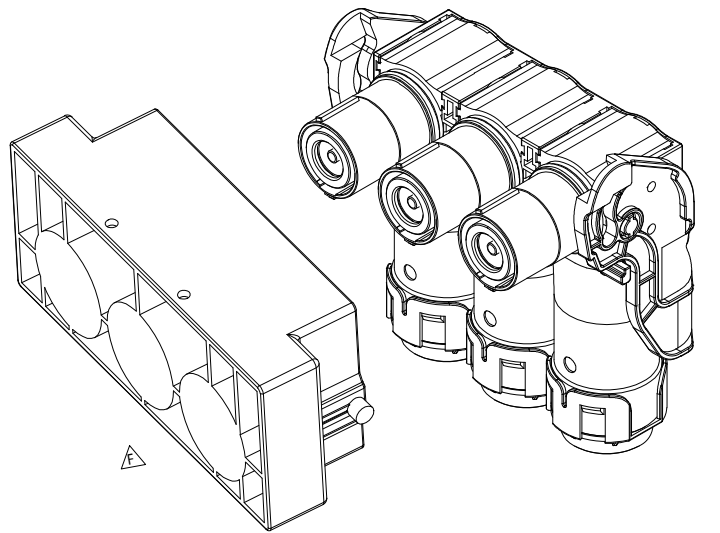
		Amphenol Technical Products International Asia.				
		第三角投影 THIRD ANGLE PROJECTION	页码 SHEET 1 of 1	幅面 SIZE A3	版次 REV. F	比例 SCALE
签名 SIGNATURE		日期 DATE 09/10/20		UNLESS OTHERWISE SPECIFIED		DWG NO: PL283()-300-5
制图 DRAWN Steven		审核 CHECKED [Signature]		1) All dimensions are in metric (mm). 2) Tolerances are as follows: 0 PL DEC ±1.00 1 PL DEC ±0.50 2 PL DEC ±0.20		CUST PART #: N/A
批准 APPROVAL [Signature]				Angles ±1'		CUST REV. -

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Customer Drawing



REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A	--	--	INITIAL RELEASE	05/06/16	KC	GX
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C	--	ECNG180802	Add Metal Cover And Sealing Ring	08/21/18	Fred	JL
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E	--	ECNG191017	Change dimension tolerance	10/25/19	Steven	JL
F	--		Add Protection Cap	09/10/20	Steven	JL



Standard Part List (With HVIL)

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PL283X-301-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283Y-301-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283X-301-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283Y-301-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283X-301-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3
PL283Y-301-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3

Standard Part List (Without HVIL)

Model No.	overall-diameter nominal (mm)	Dia Primary Insulation (mm)	outside-diameter of terminal (mm): "A"	inside-diameter of terminal (mm): "B"
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PL283Y-300-35-5	12.7±0.3	△9.7±0.3	△11.8±0.3	△8.8±0.3
PL283X-300-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283Y-300-50-5	14.9±0.3	△11.5±0.3	△14.5±0.3	△10.3±0.3
PL283X-300-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3
PL283Y-300-70-5	17.0±0.3	△13.7±0.3	△16.5±0.3	△12.5±0.3

规格参数 (Spec.):

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- 额定电流 Current rating (Connector Only): 35mm²: 150A; 50mm²: 200A; 70mm²: 250A.
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- 电磁屏蔽 Shielding.
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- 带自动二次锁扣 Automatic secondary lock.
- 带高压互锁 Electrical interlock (HVIL).

订购信息 Ordering Information

PL28 3 X - 30 1 - 70 - 5

键位及颜色 Key "X" Key "Y" Key	高压互锁 HVIL 0, 不带互锁 No HVIL 1, 带互锁 With HVIL	线缆大小 Cable Size "70"=70mm ² "50"=50mm ² "35"=35mm ²
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		Amphenol Technical Products International Asia.				PART NAME: PwrLok 10mm-90 3POS Plug Conn	
		第三角投影 THIRD ANGLE PROJECTION	页面 SHEET	幅面 SIZE	版次 REV.	比例 SCALE	DWG NO: PL283()-300-5
签名 SIGNATURE: Steven 制图 DRAWN: Steven 审核 CHECKED: 批准 APPROVAL:		日期 DATE: 09/10/20		UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric (mm). 2) Tolerances are as follows: 0 PL DEC ±1.00 1 PL DEC ±0.50 2 PL DEC ±0.20		Angles ±1° CUST REV.: -	