

# 防爆合格证

证号: GYJ20.1198U

由 Phoenix Contact GmbH & Co. KG

制造的产品:

(地址: Flachsmarktstrasse 8, 32825 Blomberg, Germany)

名称 接线端子/接地端子

型号规格 PT系列、PTS系列、PTTB系列、PTTBS系列

防爆标志 Ex eb IIC

产品标准 /

图样编号 见本证书附件

经图样及技术文件的审查和样品检验, 确认上述产品符合 GB 3836.1-2010、GB 3836.3-2010 标准, 特颁发此证。

本证书有效期: 2020年8月5日至2025年8月4日

- 备注
1. 安全使用注意事项见本证书附件。
  2. 证书编号后缀“U”表明产品具有安全使用特殊条件, 内容见本证书附件。
  3. 型号规格说明见本证书附件。
  4. 本证书同时适用于其他生产企业生产的同型号产品, 生产企业名称和地址见证书附件。

站长

国家级仪器仪表防爆安全监督检验站

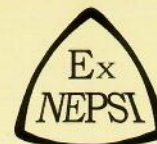
颁发日期二〇二〇年八月五日

本证书仅对与认可文件和样品一致的产品有效。

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# EXPLOSION PROTECTION

## CERTIFICATE OF CONFORMITY

Cert NO.GYJ20.1198U

This is to certify that the product

Terminal Blocks/Protective conductor terminal blocks

manufactured by Phoenix Contact GmbH & Co. KG

(Address:Flachmarktstrasse 8, 32825 Blomberg ,Germany)

which model is PT series、 PTS series、 PTTB series、 PTTBS series

Ex marking Ex eb IIC

product standard /

drawing number See the attachment

has been inspected and certified by NEPSI, and that it conforms  
to GB 3836.1-2010,GB 3836.3-2010

This Approval shall remain in force until 2025.08.04

**Remarks**

- 1.Conditions for safe use are specified in the attachment(s) to this certificate.
- 2.Symbol "U" placed after the certification number denotes specific conditions of use, which are specified in the attachment(s) to this certificate.
- 3.Model designation is specified in the attachment(s) to this certificate.
- 4.This certificate is also applicable to the products of the same model from other factories, the name and address of the factories are specified in the attachment(s) to this certificate.

Director

National Supervision and Inspection Centre for  
Explosion Protection and Safety of Instrumentation

Issued Date 2020.08.05

This Certificate is valid for products compatible with the documents and samples approved by NEPSI.

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# 国家级仪器仪表防爆安全监督检验站

## National Supervision and Inspection Centre for Explosion Protection and Safety of Instrumentation

(GYJ20.1198U)

(Attachment I)

### Attachment I to GYJ20.1198U

Terminal blocks/Protective conductor terminal blocks typed PT series、PTS series、PTTB series and PTTBS series, manufactured by Phoenix Contact GmbH & Co. KG has been certified by National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI), this product accords with following standards:

GB 3836.1-2010 Explosive atmospheres -Part 1: Equipment-General Requirements

GB 3836.3-2010 Explosive atmospheres -Part 3: Equipment protection by increased safety "e"

The Ex marking is Ex eb IIC, the certificate number is GYJ20.1198U.

Type、drawing and rating approved in this certificate as following:

Note: the suffix of product type indicates the color of terminal block, which is irrelevant with explosion-proof performance. (There is no suffix for type in the following table)

Type		PTS 4	PTS 4- QUATTRO	PTS 4- TWIN	PTTBS 4	PTTBS 4-PV
Drawing		01087287	01090943	01098850	01099309	01099531
Rated insulation voltage(V)		500	500	500	400	400
Rated voltage(V)		550	550	550	440	440
	with plug- in bridge	352	-	352	352	352
	Bridge with cover	-	-	-	-	320
Rated current(A)		28	27	28	23	23
	with plug- in bridge	27	-	27	23	23
	Contact resistance (mΩ)	0.71	0.71	0.71	0.96(level 1)/ 0.75(level 2)	0.96(level 1)/ 0.75(level 2)/ 0.93(PV connection)

Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
Connectable conductor cross section (mm <sup>2</sup> )	Flexible with ferrule	0.25-6	0.25-6	0.25-6	0.25-6	0.25-6
Operating temperature range		-60°C~+110°C				
		PTS 4-PE	PTS 4-QUATTRO-PE	PTS 4-TWIN-PE	PTTBS 4-PE	-
Drawing		01098260	01091520	01098939	01099850	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.2-6	0.2-6	0.2-6	0.2-6	
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.2-4	0.2-4	0.2-4	0.2-4	
Connectable conductor cross section (mm <sup>2</sup> )	Flexible with ferrule	0.25-6	0.25-6	0.25-6	0.25-6	
Operating temperature range		-60°C~+110°C				

Type		PT 2.5	PT 2.5-QUATTRO	PT 2.5-TWIN	PTTB 2.5	PTTB 2.5-PV
Drawing		00500730	00501116	00501131	00529823	00529823
Rated voltage(V)		550	550	550	440	440
	With jumper FBS...	550	550	550	440	440
	With skipper jumper	352	352	352	352	352

	With skipper jumper type PE	352	352	352	352	352
	With cut to length bridge	220	220	220	166	166
	With cut to length bridge and cover type D	275	275	275	352	352
	With cut to length bridge and cover type ATP	550	550	550	440	440
Rated current(A)		23	23	23	22	22
	With jumper FBS...	22	22	22	19	19
	Contact resistance ( m Ω )	0.86	0.89	0.87	0.86(lower level)/ 0.63(upper level)	0.86(lower level)/ 0.63(upper level)
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-4	0.14-4	0.14-4	0.14-4	0.14-4
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5
Operating temperature range		-60℃~+110℃				
Type		PT 2.5-PE	PT 2.5-QUATTRO-PE	PT 2.5-TWIN-PE	PTTB 2.5-PE	
Drawing		00505025	00505119	00505108	00529833	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-4	0.14-4	0.14-4	0.14-4	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	

Operating temperature range		-60℃~+110℃			
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Type		PT 4	PT 4-QUATTRO	PT 4-TWIN	PTTB 4	PTTB 4-PV
Drawing		00555625	00555716	00555658	00555718	00555718
Rated voltage(V)		550	550	550	440	440
	With jumper FBS...	550	550	550	440	440
	With skipper jumper	352	352	352	352	352
	With skipper jumper type PE	352	352	352	352	352
	With cut to length bridge	220	220	220	220	220
	With cut to length bridge and cover type D	275	275	275	352	352
	With cut to length bridge and cover type ATP	550	550	550	440	440
Rated current(A)		30	30	30	27	27
	With jumper FBS...	27	27	27	23	23
	Contact resistance (mΩ)	0.54	0.66	0.60	0.76(lower level)/ 0.60(upper level)	0.76(lower level)/ 0.60(upper level)
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
Operating temperature range		-60℃~+110℃				

Type		PT 4-PE	PT 4-QUATTRO-PE	PT 4-TWIN-PE	PTTB 4-PE	-
Drawing		00555751	00555767	00555765	00555879	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.2-6	0.2-6	0.2-6	0.2-6	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.2-4	0.2-4	0.2-4	0.2-4	
Operating temperature range		-60℃~+110℃				

Type		PT 1.5/S	PT 1.5/S-QUATTRO	PT 1.5/S-TWIN
Drawing		00711258	00711265	00711259
Rated voltage(V)		352	352	352
	With jumper FBS...	352	352	352
	With skipper jumper	220	220	220
	With skipper jumper type PE	220	220	220
	With cut to length bridge	166	166	166
	With cut to length bridge and cover type D	275	275	275
	With cut to length bridge and cover type ATP	352	352	352
Rated current(A)		15	15	15
	With jumper FBS...	14.5	14.5	14.5

	Contact resistance (mΩ)	1.3	1.5	1.4
Connectable conductor cross section (mm²)	rigid	0.14-1.5	0.14-1.5	0.14-1.5
Connectable conductor cross section (mm²)	flexible	0.14-1.5	0.14-1.5	0.14-1.5
Operating temperature range		-60℃~+110℃		
Type		PT 1.5/S-PE	PT 1.5/S-QUATTRO-PE	PT 1.5/S-TWIN-PE
Drawing		00711160	00711269	00711264
Connectable conductor cross section (mm²)	rigid	0.14-1.5	0.14-1.5	0.14-1.5
Connectable conductor cross section (mm²)	rigid	0.14-1.5	0.14-1.5	0.14-1.5
Operating temperature range		-60℃~+110℃		

Type		PTTB 1.5/S	PTTB 1.5/S-PV	PT 2.5-3L (PT 2.5-L/L/N)	PT 2.5-3PV
Drawing		00737003	00737059	00613151	00737622
Rated voltage(V)		352	352	440	440
	With jumper FBS...	352	352	440	440
	With skipper jumper	220	220	352	352

	With skipper jumper type PE	220	220	352	352
	With cut to length bridge	166	166	166	166
	With cut to length bridge and cover type D	275	275	352	352
	With cut to length bridge and cover type ATP	352	352	-	-
Rated current(A)		14.5	14.5	17	17
	With jumper FBS...	13.5	13.5	14.5	14.5
	Contact resistance (mΩ)	1.4(first level) 1.3(second level)	1.4(first level) 1.3(second level) 1.7(lower/upper level)	1.2(first level) 1.1(second level) 0.8(third level)	1.2(first level) 1.1(second level) 0.8(third level) 1.3(lower/upper level)
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-1.5	0.14-1.5	0.14-4	0.14-4
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.14-1.5	0.14-1.5	0.14-2.5	0.14-2.5
Operating temperature range		-60℃~+110℃			
Type		PTTB 1.5/S-PE	-	-	PT 2.5-3PE
Drawing		00737270			00737970

Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-1.5			0.14-4
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-1.5			0.14-2.5
Operating temperature range		-60°C~+110°C			

Type		PTS 1.5/S	PTS 1.5/S-QUATTRO	PTS 1.5/S-TWIN	PTTBS 1.5/S	PTTBS 1.5/S-PV
Drawing		00958195	00959423	00958957	00959906	00960143
Rated voltage(V)		352	352	352	352	352
	With jumper FBS...	352	-	352	352	352
	With skipper jumper	220	-	220	220	220
	With skipper jumper type PE	220	-	220	220	220
	With cut to length bridge	166	-	166	-	-
	With cut to length bridge and cover type D	275	-	275	-	-
	With cut to length bridge and cover type ATP	352	-	352	-	-
Rated current(A)		15	15	15	13.5	13.5
	With jumper FBS...	14.5	-	14.5	13	13

	Contact resistance ( m Ω )	1.4	1.4	1.4	1.7(first level) 1.4(second level)	1.7(first level) 1.4(second level) 1.7(lower/upper level)
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5
Operating temperature range		-60℃~~+110℃				
Type		PTS 1.5/S-PE	PTS 1.5/S-QUATTRO-PE	PTS 1.5/S-TWIN-PE	PTTBS 1.5/S-PE	-
Drawing		00958925	00959870	00959391	00960167	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	
Operating temperature range		-60℃~~+110℃				

Type		PTS 2.5	PTS 2.5 - QUATTRO	PTS 2.5 - TWIN	PTTBS 2.5	PTTBS 2.5-PV
Drawing		00772658	00772925	00772868	00926316	00926248
Rated voltage(V)		550	550	550	440	440

	With jumper FBS...	550	-	550	440	440
	With skipper jumper	352	-	352	352	352
	With skipper jumper type PE	352	-	352	352	352
	With cut to length bridge	166	-	166	137.5	137.5
	With cut to length bridge and cover type D	352	-	352	352	352
	With cut to length bridge and cover type ATP	440	-	440	-	-
Rated current(A)		21	21	21	19	20
	With jumper FBS...	20	-	20.5	16.5	16.5
	Contact resistance (mΩ)	1.08	1.08	1.08	1.3(first level) 1.3(second level)	1.3(first level) 1.3(second level) 1.3(third level) 1.3(lower/upper level)
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-4	0.14-4	0.14-4	0.14-4	0.14-4
Connectable conductor cross section (mm <sup>2</sup> )	flexible	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5

Operating temperature range		-60°C~+110°C				
Type		PTS 2.5-PE	PTS 2.5-QUATTRO-PE	PTS 2.5-TWIN-PE	PTTBS 2.5-PE	-
Drawing		00773640	00773102	00773109	00926235	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-4	0.14-4	0.14-4	0.14-4	
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	
Operating temperature range		-60°C~+110°C				

Type		PT 6	PT 6-QUATTRO	PT 6-TWIN
Drawing		00711286	00712644	00712322
Rated voltage(V)		550	550	550
	With jumper FBS...	550	550	550
	With skipper jumper	275	275	275
	With skipper jumper type PE	275	275	275
	With cut to length bridge	220	220	220
	With cut to length bridge and cover type D	275	275	275
	With cut to length bridge and cover type ATP	550	-	550

Rated current(A)		36.5	36	35.5
	With jumper FBS...	35	35	35
	Contact resistance (mΩ)	0.48	0.65	0.65
Connectable conductor cross section (mm²)	rigid	0.5-10	0.5-10	0.5-10
Connectable conductor cross section (mm²)	flexible	0.5-6	0.5-6	0.5-6
Operating temperature range		-60℃~+110℃		
Type		PT 6-PE	PT 6-QUATTRO-PE	PT 6-TWIN-PE
Drawing		00711458	00712903	00712515
Connectable conductor cross section (mm²)	rigid	0.5-10	0.5-10	0.5-10
Connectable conductor cross section (mm²)	rigid	0.5-6	0.5-6	0.5-6
Operating temperature range		-60℃~+110℃		

Type		PT 10	PT 10-TWIN	PT 16 N	PT 16-TWIN N
Drawing		00713068	00713104	00816302	00816313
Rated voltage(V)		550	550	550	550
	With jumper FBS...	550	550	550	550

Rated current(A)		52.5	48.5	65.5	65.5
	With jumper FBS...	48	48	60.5	60.5
	Contact resistance (mΩ)	0.43	0.52	0.31	0.31
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.5-16	0.5-16	0.5-25	0.5-25
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.5-10	0.5-10	0.5-16	0.5-16
Operating temperature range		-60℃~+110℃			
Type		PT 10-PE	PT 10-TWIN-PE	PT 16 N-PE	PT 16-TWIN N-PE
Drawing		00713904	00713919	00816310	00816316
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.5-16	0.5-16	0.5-25	0.5-25
Connectable conductor cross section (mm <sup>2</sup> )	rigid	0.5-10	0.5-10	0.5-16	0.5-16
Operating temperature range		-60℃~+110℃			

This certificate is applicable to products of the same model from other factories, the name and address of the factories are as following:

No.	name of the factory	address of the factory
1	Phoenix Feinbau GmbH	Gustavstrasse 3, 58511 Luedenscheid, Germany
2	Phoenix Contact Wielkopolska Sp. z o.o.	ul Celna 5, 64- 300 Nowy Tomyśl, Poland
3	Phoenix Contact Asia-Pacific (Nanjing) Co.,Ltd.	No. 6 Mozhou East Road, Jiangning Nanjing 211111, China
4	Phoenix Contact India Private Limited	Prithla-Dhatir Road, Village Dudhola, Dist. Palwal, Haryana 121102, India

### 1. Special condition for safe use

Suffix “U” denotes special condition for safe use: The terminal block is an Ex Component, which is not intended to be used alone, and requires additional consideration when incorporated into Ex Equipment.

### 2. Condition for safe use

2.1 During assembling and installing, the clearance and creepage distance shall satisfy GB 3836.3-2010.

2.2 In order to avoid damage to the product, the user shall not change any parts of the product and the manufacturer shall be consulted when there is any problem during the usage.

2.3 During the installation, using and maintenance, the user shall following the instruction and following standards:

GB3836.13-2013 Explosive atmospheres-Part 13: Equipment repair, overhaul and reclamation

GB/T3836.15-2017 Explosive atmospheres-Part 15: Eletrical installations design, selection and erection

GB/T3836.16-2017 Explosive atmospheres-Part 16: Eletrical installations inspectio and maintenance

GB50257-2014 Code for construction and acceptance of electric device for explosion atmospheres and fire hazard electrical equipment installation engineering

### 3. Manufacturer's Responsibility

3.1 Special condition for safe use specified above should be included in the instruction manual.

3.2 Manufacturing should be done according to the documentation approved by NEPSI.

3.3 Any modification with influence on the type of protection should be submitted to NEPSI before application.

**National Supervision and Inspection Center  
for Explosion Protection and Safety of Instrumentation**

August 5<sup>th</sup>, 2020

# 国家级仪器仪表防爆安全监督检验站

## National Supervision and Inspection Centre for Explosion Protection and Safety of InUTrumentation

(GYJ20.1198U)

(Attachment I)

### GYJ20.1198U防爆合格证附件 I

由Phoenix Contact GmbH & Co. KG生产的PT系列、PTS系列、PTTB系列和PTTBS系列接线端子/接地端子，经国家级仪器仪表防爆安全监督检验站(NEPSI)检验，符合下列标准：

GB 3836.1-2010 爆炸性环境 第1部分：设备 通用要求

GB 3836.3-2010 爆炸性环境 第3部分：由增安型“e”保护的设备

产品防爆标志为Ex eb IIC，防爆合格证号为GYJ20.1198U。

本证书认可的产品、总装图及额定参数如下表所示：

注：产品型号后缀表示端子颜色，与防爆性能无关。（下列表格中型号规格未标注后缀）

型号规格		PTS 4	PTS 4- QUATTRO	PTS 4- TWIN	PTTBS 4	PTTBS 4-PV
图号		01087287	01090943	01098850	01099309	01099531
额定绝缘电压 (V)		500	500	500	400	400
额定电压(V)		550	550	550	440	440
	带桥接	352	-	352	352	352
	带桥接和 端板	-	-	-	-	320
额定电流(A)		28	27	28	23	23
	带桥接	27	-	27	23	23
	接触电阻 (mΩ)	0.71	0.71	0.71	0.96(第一层)/ 0.75(第二层)	0.96(第一层)/ 0.75(第二层)/ 0.93(PV连接)
额定导线规格 (mm <sup>2</sup> )	刚性	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
额定导线规格 (mm <sup>2</sup> )	柔性	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
额定导线规格 (mm <sup>2</sup> )	柔性(带 套圈)	0.25-6	0.25-6	0.25-6	0.25-6	0.25-6
工作温度		-60℃~+110℃				
		PTS 4-PE	PTS 4- QUATTRO- PE	PTS 4- TWIN-PE	PTTBS 4-PE	-
图号		01098260	01091520	01098939	01099850	

额定导线规格 (mm <sup>2</sup> )	刚性	0.2-6	0.2-6	0.2-6	0.2-6	
额定导线规格 (mm <sup>2</sup> )	柔性	0.2-4	0.2-4	0.2-4	0.2-4	
额定导线规格 (mm <sup>2</sup> )	柔性(带 套圈)	0.25-6	0.25-6	0.25-6	0.25-6	
工作温度		-60℃~+110℃				

型号规格		PT 2.5	PT 2.5- QUATTRO	PT 2.5-TWIN	PTTB 2.5	PTTB 2.5- PV
图号		00500730	00501116	00501131	00529823	00529823
额定电压(V)		550	550	550	440	440
	带FBS桥接	550	550	550	440	440
	带桥接(端子 跳接)	352	352	352	352	352
	带PE桥接	352	352	352	352	352
	带桥接(相邻 端子间)	220	220	220	166	166
	带D端板	275	275	275	352	352
	带ATP隔板	550	550	550	440	440
额定电流(A)		23	23	23	22	22
	带FBS桥接	22	22	22	19	19
	接触电阻 (mΩ)	0.86	0.89	0.87	0.86(下层)/ 0.63(上层)	0.86(下层)/ 0.63(上层)
额定导线规格 (mm <sup>2</sup> )	刚性	0.14-4	0.14-4	0.14-4	0.14-4	0.14-4
额定导线规格 (mm <sup>2</sup> )	柔性	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5
工作温度		-60℃~+110℃				

型号规格		PT 2.5-PE	PT 2.5- QUATTRO- PE	PT 2.5-TWIN- PE	PTTB 2.5- PE	
图号		00505025	00505119	00505108	00529833	
额定导线规格 (mm <sup>2</sup> )	刚性	0.14-4	0.14-4	0.14-4	0.14-4	
额定导线规格 (mm <sup>2</sup> )	柔性	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	
工作温度		-60℃~+110℃				

型号规格		PT 4	PT 4- QUATTRO	PT 4-TWIN	PTTB 4	PTTB 4-PV
图号		00555625	00555716	00555658	00555718	00555718
额定电压(V)		550	550	550	440	440
	带FBS桥接	550	550	550	440	440
	带桥接（端子跳接）	352	352	352	352	352
	带PE桥接	352	352	352	352	352
	带桥接（相邻端子间）	220	220	220	220	220
	带D端板	275	275	275	352	352
	带ATP隔板	550	550	550	440	440
额定电流(A)		30	30	30	27	27
	带FBS桥接	27	27	27	23	23
	接触电阻（mΩ）	0.54	0.66	0.60	0.76(下层)/ 0.60(上层)	0.76(下层)/ 0.60(上层)
额定导线规格（mm <sup>2</sup> ）	刚性	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
额定导线规格（mm <sup>2</sup> ）	柔性	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
工作温度	-60℃~-110℃					
型号规格		PT 4-PE	PT 4- QUATTRO- PE	PT 4-TWIN- PE	PTTB 4- PE	-
图号		00555751	00555767	00555765	00555879	
额定导线规格（mm <sup>2</sup> ）	刚性	0.2-6	0.2-6	0.2-6	0.2-6	
额定导线规格（mm <sup>2</sup> ）	柔性	0.2-4	0.2-4	0.2-4	0.2-4	
工作温度	-60℃~-110℃					

型号规格		PT 1.5/S	PT 1.5/S- QUATTRO	PT 1.5/S- TWIN
图号		00711258	00711265	00711259
额定电压(V)		352	352	352
	带FBS桥接	352	352	352
	带桥接(端子跳接)	220	220	220
	带PE桥接	220	220	220

	带桥接（相邻端子间）	166	166	166
	带D端板	275	275	275
	带ATP隔板	352	352	352
额定电流(A)		15	15	15
	带FBS桥接	14.5	14.5	14.5
	接触电阻（mΩ）	1.3	1.5	1.4
额定导线规格(mm <sup>2</sup> )	刚性	0.14-1.5	0.14-1.5	0.14-1.5
额定导线规格(mm <sup>2</sup> )	柔性	0.14-1.5	0.14-1.5	0.14-1.5
工作温度		-60℃~+110℃		
型号规格		PT 1.5/S-PE	PT 1.5/S-QUATTRO-PE	PT 1.5/S-TWIN-PE
图号		00711160	00711269	00711264
额定导线规格(mm <sup>2</sup> )	刚性	0.14-1.5	0.14-1.5	0.14-1.5
额定导线规格(mm <sup>2</sup> )	柔性	0.14-1.5	0.14-1.5	0.14-1.5
工作温度		-60℃~+110℃		

型号规格		PTTB 1.5/S	PTTB 1.5/S-PV	PT 2.5-3L (PT 2.5-L/L/N)	PT 2.5-3PV
图号		00737003	00737059	00613151	00737622
额定电压(V)		352	352	440	440
	带FBS桥接	352	352	440	440
	带桥接（端子跳接）	220	220	352	352
	带PE桥接	220	220	352	352
	带桥接（相邻端子间）	166	166	166	166
	带D端板	275	275	352	352
	带ATP隔板	352	352	-	-
额定电流(A)		14.5	14.5	17	17
	带FBS桥接	13.5	13.5	14.5	14.5
	接触电阻 (mΩ)	1.4(第一层) 1.3(第二层)	1.4(第一层) 1.3(第二层) 1.7(上/下层)	1.2(第一层) 1.1(第二层) 0.8(第三层)	1.2(第一层) 1.1(第二层) 0.8(第三层) 1.3(上/下层)
额定导线规格 (mm <sup>2</sup> )	刚性	0.14-1.5	0.14-1.5	0.14-4	0.14-4

额定导线规格 (mm <sup>2</sup> )	柔性	0.14-1.5	0.14-1.5	0.14-2.5	0.14-2.5
工作温度		-60℃~+110℃			
型号规格		PTTB 1.5/S-PE	-	-	PT 2.5-3PE
图号		00737270			00737970
额定导线规格 (mm <sup>2</sup> )	刚性	0.14-1.5			0.14-4
额定导线规格 (mm <sup>2</sup> )	柔性	0.14-1.5			0.14-2.5
工作温度		-60℃~+110℃			

型号规格		PTS 1.5/S	PTS 1.5/S- QUATTRO	PTS 1.5/S- TWIN	PTTBS 1.5/S	PTTBS 1.5/S-PV
图号		00958195	00959423	00958957	00959906	00960143
额定电压(V)		352	352	352	352	352
	带FBS桥接	352	-	352	352	352
	带桥接(端 子跳接)	220	-	220	220	220
	带PE桥接	220	-	220	220	220
	带桥接(相 邻端子间)	166	-	166	-	-
	带D端板	275	-	275	-	-
	带ATP隔板	352	-	352	-	-
额定电流(A)		15	15	15	13.5	13.5
	带FBS桥接	14.5	-	14.5	13	13
	接触电阻 (mΩ)	1.4	1.4	1.4	1.7(第一层) 1.4(第二层)	1.7(第一层) 1.4(第二层) 1.7(上/下层)
额定导线规 格(mm <sup>2</sup> )	刚性	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5
额定导线规 格(mm <sup>2</sup> )	柔性	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5
工作温度		-60℃~+110℃				
型号规格		PTS 1.5/S-PE	PTS 1.5/S- QUATTRO- PE	PTS 1.5/S- TWIN-PE	PTTBS 1.5/S-PE	-
图号		00958925	00959870	00959391	00960167	

额定导线规格(mm <sup>2</sup> )	刚性	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	
额定导线规格(mm <sup>2</sup> )	柔性	0.14-1.5	0.14-1.5	0.14-1.5	0.14-1.5	
工作温度		-60℃~+110℃				

型号规格		PTS 2.5	PTS 2.5 - QUATTRO	PTS 2.5 - TWIN	PTTBS 2.5	PTTBS 2.5-PV
图号		00772658	00772925	00772868	00926316	00926248
额定电压(V)		550	550	550	440	440
	带FBS桥接	550	-	550	440	440
	带桥接(端子跳接)	352	-	352	352	352
	带PE桥接	352	-	352	352	352
	带桥接(相邻端子间)	166	-	166	137.5	137.5
	带D端板	352	-	352	352	352
	带ATP隔板	440	-	440	-	-
额定电流(A)		21	21	21	19	20
	带FBS桥接	20	-	20.5	16.5	16.5
	接触电阻(mΩ)	1.08	1.08	1.08	1.3(第一层) 1.3(第二层)	1.3(第一层) 1.3(第二层) 1.3(第三层) 1.3(上/下层)
额定导线规格(mm <sup>2</sup> )	刚性	0.14-4	0.14-4	0.14-4	0.14-4	0.14-4
额定导线规格(mm <sup>2</sup> )	柔性	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5
工作温度		-60℃~+110℃				
型号规格		PTS 2.5-PE	PTS 2.5-QUATTRO-PE	PTS 2.5-TWIN-PE	PTTBS 2.5-PE	-
图号		00773640	00773102	00773109	00926235	
额定导线规格(mm <sup>2</sup> )	刚性	0.14-4	0.14-4	0.14-4	0.14-4	
额定导线规格(mm <sup>2</sup> )	柔性	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	
工作温度		-60℃~+110℃				

型号规格		PT 6	PT 6-QUATTRO	PT 6-TWIN
图号		00711286	00712644	00712322
额定电压(V)		550	550	550
	带FBS桥接	550	550	550
	带桥接（端子跳接）	275	275	275
	带PE桥接	275	275	275
	带桥接（相邻端子间）	220	220	220
	带D端板	275	275	275
	带ATP隔板	550	-	550
额定电流(A)		36.5	36	35.5
	带FBS桥接	35	35	35
	接触电阻（mΩ）	0.48	0.65	0.65
额定导线规格(mm <sup>2</sup> )	刚性	0.5-10	0.5-10	0.5-10
额定导线规格(mm <sup>2</sup> )	柔性	0.5-6	0.5-6	0.5-6
工作温度		-60℃~+110℃		
型号规格		PT 6-PE	PT 6-QUATTRO-PE	PT 6-TWIN-PE
图号		00711458	00712903	00712515
额定导线规格(mm <sup>2</sup> )	刚性	0.5-10	0.5-10	0.5-10
额定导线规格(mm <sup>2</sup> )	柔性	0.5-6	0.5-6	0.5-6
工作温度		-60℃~+110℃		

型号规格		PT 10	PT 10-TWIN	PT 16 N	PT 16-TWIN N
图号		00713068	00713104	00816302	00816313
额定电压(V)		550	550	550	550
	带FBS桥接	550	550	550	550
额定电流(A)		52.5	48.5	65.5	65.5
	带FBS桥接	48	48	60.5	60.5
	接触电阻(mΩ)	0.43	0.52	0.31	0.31
额定导线规格(mm <sup>2</sup> )	刚性	0.5-16	0.5-16	0.5-25	0.5-25
额定导线规格(mm <sup>2</sup> )	柔性	0.5-10	0.5-10	0.5-16	0.5-16
工作温度		-60℃~+110℃			

型号规格		PT 10-PE	PT 10-TWIN-PE	PT 16 N-PE	PT 16-TWIN N-PE
图号		00713904	00713919	00816310	00816316
额定导线规格 (mm <sup>2</sup> )	刚性	0.5-16	0.5-16	0.5-25	0.5-25
额定导线规格 (mm <sup>2</sup> )	柔性	0.5-10	0.5-10	0.5-16	0.5-16
工作温度		-60℃~+110℃			

本证书同时适用于其他生产企业生产的同型号产品，生产企业名称和地址如下表所示：

序号	生产企业名称	生产企业地址
1	Phoenix Feinbau GmbH	Gustavstrasse 3, 58511 Luedenscheid, Germany
2	Phoenix Contact Wielkopolska Sp. z o.o.	ul Celna 5, 64- 300 Nowy Tomyśl, Poland
3	Phoenix Contact Asia-Pacific (Nanjing) Co.,Ltd.	No. 6 Mozhou East Road, Jiangning Nanjing 211111, China
4	Phoenix Contact India Private Limited	Prithla-Dhatir Road, Village Dudhola, Dist. Palwal, Haryana 121102, India

## 一、产品安全使用特定条件

证书编号后缀“U”表明产品具有安全使用特殊条件：接线端子为Ex元件，不能单独在爆炸性环境中使用，组成防爆设备时需附加认证。

## 二、产品使用注意事项

1. 组合安装接线端子时，应确认电气间隙和爬电距离符合GB 3836.3-2010的规定。
2. 用户不得自行更换该产品的零部件，应会同产品制造商共同解决运行中出现的故障，以杜绝损坏现象的发生。
3. 用户在安装、使用和维护接线端子时，须同时严格遵守产品使用说明书和下列标准：
  - GB 3836.13-2013 爆炸性环境 第13部分：设备的修理、检修、修复和改造
  - GB/T 3836.15-2017 爆炸性环境 第15部分：电气装置的设计、选型和安装
  - GB/T 3836.16-2017 爆炸性环境 第16部分：电气装置的检查与维护
  - GB 50257-2014 电气装置安装工程爆炸和火灾危险环境电气装置施工及验收规范

### 三、制造厂责任

1. 制造厂必须将上述使用注意事项纳入产品的使用说明书中。
2. 制造厂必须严格按照NEPSI认可的文件资料生产。
3. 涉及产品防爆性能和温度的更改和维修，需提交NEPSI重新检验认可。

国家级仪器仪表防爆安全监督检验站

二〇二〇年八月五日