



# 中国国家强制性产品认证证书



证书编号: 2020322313000629

认证委托人名称: Phoenix Contact GmbH & Co. KG  
认证委托人地址: Flachsmarktstrasse 8, 32825 Blomberg, Germany  
生产者名称: Phoenix Contact GmbH & Co. KG  
生产者地址: Flachsmarktstrasse 8, 32825 Blomberg, Germany  
生产企业名称: Phoenix Contact GmbH & Co. KG  
生产企业地址: Flachsmarktstrasse 8, 32825 Blomberg, Germany

产品名称: 接线端子/接地端子

系列、规格、型号: MBK 系列、MTKD 系列、MUT 系列、MPT 系列、MSB 系列、  
MSDB 系列、MXK 4、MSLKG 2.5

标准: GB 3836.1-2010、GB 3836.3-2010

上述产品符合强制性产品认证实施规则 CNCA-C23-01:2019 的要求, 特发此证。

发证日期: 2020 年 8 月 14 日      有效期至: 2025 年 8 月 13 日

首次发证日期: 2020 年 8 月 14 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询



批准:



上海仪器仪表自控系统检验测试所有限公司

<http://www.sitias.com.cn>

中国·上海·漕宝路103号200233

电话: +86 21 64510844

S 0000660





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



**CERTIFICATE NO: 2020322313000629**

**APPLICANT:** Phoenix Contact GmbH & Co. KG  
**ADDRESS:** Flachsmarktstrasse 8,32825 Blomberg, Germany  
**MANUFACTURER:** Phoenix Contact GmbH & Co. KG  
**ADDRESS:** Flachsmarktstrasse 8,32825 Blomberg, Germany  
**FACTORY:** Phoenix Contact GmbH & Co. KG  
**ADDRESS:** Flachsmarktstrasse 8,32825 Blomberg, Germany  
**PRODUCTNAME:** Terminal blocks / Protective conductor terminal blocks  
**SERIES,SPECIFICATION,MODEL:** MBK series、MTKD series、MUT series、MPT series、  
MSB series、MSDB series、MXK 4、MSLKG 2.5  
**STANDARDS:** GB 3836.1-2010、GB 3836.3-2010

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification (REFNO. CNCA-C23-01:2019).

**Valid from:** August 14, 2020

**Valid until:** August 13, 2025

**Date of original certification:** August 14, 2020

**The validity of this certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.**

This certificate is available through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



APPROVAL:

Xu JianPing



**Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.**

<http://www.sitilas.com.cn>

Building 9, 103 Cao Bao Road, Shanghai 200233, China

Tel: +86 21 64510844

S 0000365





# 中国国家强制性产品认证证书



证书编号: 2020322313000629

## 附 件

产品名称: 接线端子/接地端子

型号规格: MBK *a b*、MTKD *a b*、MUT *a b*、MPT *a b*、MSB *a b*、MSDB *a b*、MXK 4 *b*、MSLKG 2.5 *b*  
其中, *b* 为产品型号后缀, 表示端子颜色, 与防爆性能无关。(以下型号/规格未标注此后缀)  
产品具体型号为MBK 3/E-Z, MBK 6/E, MSLKG 6, MBK 2.5/E, MSLKG 2.5, MBKKB 2.5, MXK 4, MSB 2.5, MSDB 2.5, MSB 2.5-M, MSDB 2.5-M, MSB 2.5-NS 35, MSDB 2.5-NS 35, MSB 2.5-RZ, MSDB 2.5-RZ, MSB 2.5-F, MSDB 2.5-F, MSB 2.5-M, MSDB 2.5-M, MSB 2.5-RZ, MSDB 2.5-RZ, MSB 2.5-PE, MSB 2.5-NS 35-PE, MUT 2.5, MUT 4, MUT 2.5-PE, MUT 4-PE, MPT 1.5-S, MPT 2.5, MPT 1.5-S-PE, MPT 2.5-PE, MTKD-CU/CUNI EX, MTKD-FE/CUNI EX, MTKD-NICR/CUNI EX, MTKD-NICRSI/NISI EX, MTKD-NICR/NI EX, MTKD-E-CU/A-CU EX, MTKD-S-CU/E-CU EX

防爆标志: Ex eb IIC

电气参数:

型号规格		MSLKG 2.5
图号		00300419
额定导线规格(AWG)	刚性	24-12
额定导线规格(AWG)	柔性	24-14
工作温度		-50℃~+110℃

批 准:



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# 中国国家强制性产品认证证书



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证书编号: 2020322313000629

## 附 件

型号规格		MBK 3/E-Z	MBK 6/E
图号		00280063	00280649
额定绝缘电压(V)		250	250
额定电压(V)		275	275
	带FB桥接	250	275
	带桥接(非相邻端子间)	176	-
额定电流(A)		21	37
	带FB桥接	22	33
	接触电阻 (mΩ)	0.5	0.78
额定导线规格(AWG)	刚性	24-12	20-8
额定导线规格(AWG)	柔性	24-14	20-10
多组导线额定规格(AWG)	刚性	24-16	20-14
多组导线额定规格(AWG)	柔性	24-16	20-14
工作温度		-60℃~+105℃	

型号规格		MSLKG 6
图号		00281015
额定导线规格(AWG)	刚性	20-8
额定导线规格(AWG)	柔性	20-10
工作温度		-60℃~+105℃

批 准:



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# 中国国家强制性产品认证证书



证书编号: 2020322313000629

## 附 件

型号规格		MBK 2.5/E
图号		00263523
额定绝缘电压(V)		160
额定电压(V)		176
额定电流(A)		22
	带FBRN 10-5-EX桥接	20
	带EB 2/3/10-5桥接	19
	接触电阻 (mΩ)	0.35
额定导线规格(AWG)	刚性	24-14
额定导线规格(AWG)	柔性	24-18
工作温度		-50℃~+110℃

型号规格	固定在安装 导轨上	MSB 2.5 (MSDB 2.5)	MSB 2.5-M (MSDB 2.5-M)	MSB 2.5-NS 35 (MSDB 2.5-NS 35)	MSB 2.5-RZ (MSDB 2.5-RZ)
图号		00461338 (00461343)	00461340 (00461345)	00461341 (00461346)	00461342 (00461347)
额定绝缘电压(V)		630	630	630	630
额定电压(V)		690	690	690	690
额定电流(A)		28	28	28	28
	接触电阻 (mΩ)	0.87	0.87	0.87	0.87
额定导线规格 (mm <sup>2</sup> )	刚性	0.08-4	0.08-4	0.08-4	0.08-4
额定导线规格 (mm <sup>2</sup> )	柔性	0.08-2.5	0.08-2.5	0.08-2.5	0.08-2.5
工作温度		-50℃~+110℃			

批 准:



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# 中国国家强制性产品认证证书



证书编号: 2020322313000629

## 附 件

型号规格	固定在安装导轨上	MSB 2.5-PE (MSB 2.5-NS 35-PE)
图号		00586073 (00589117)
额定导线规格(mm <sup>2</sup> )	刚性	0.08-4
额定导线规格(mm <sup>2</sup> )	柔性	0.08-2.5
工作温度		-50℃~+110℃

型号规格		MBKKB 2.5
图号		00296270
额定绝缘电压(V)		250
额定电压(V)		275
额定电流(A)		21
	带FBRNI <sub>2</sub> -5-N桥接	19
	接触电阻 (mΩ)	0.5(第一层) 0.4(第二层)
额定导线规格(AWG)	刚性	24-12
额定导线规格(AWG)	柔性	24-14
多组导线额定规格(AWG)	刚性	24-16
多组导线额定规格(AWG)	柔性	24-16
工作温度		-50℃~+110℃

批 准:



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# 中国国家强制性产品认证证书



证书编号: 2020322313000629

## 附 件

型号规格		MXK 4
图号		00210928
额定绝缘电压(V)		400
额定电压(V)		440
额定电流(A)		27
额定导线规格(AWG)	刚性	24-12
额定导线规格(AWG)	柔性	24-12
多组导线额定规格(AWG)	刚性	24-16
多组导线额定规格(AWG)	柔性	24-16
工作温度		-60℃~+110℃

型号规格		MTKD-CU/CUNI EX MTKD-FE/CUNI EX MTKD-NICR/CUNI EX MTKD-NICRSI/NISI EX MTKD-NICR/NI EX MTKD-E-CU/A-CU EX MTKD-S-CU/E-CU EX
图号		00536223
额定绝缘电压(V)		250
额定电压(V)		275
额定电流(A)		1
	接触电阻 (mΩ)	11
额定导线规格(AWG)	刚性	24-12
额定导线规格(AWG)	柔性	24-14
工作温度		-50℃~+110℃

批 准:



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# 中国国家强制性产品认证证书



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证书编号: 2020322313000629

## 附 件

型号规格		MUT 2.5	MUT 4
图号		00721599	00722802
额定绝缘电压(V)		320	320
额定电压(V)		352	352
	带桥接	352	352
	带桥接(非相邻端子间)	220	220
	带PE桥接(非相邻端子间)	220	220
	带桥接和盖板	275	275
额定电流(A)		20.5	27.5
	接触电阻 (mΩ)	0.33	0.25
额定导线规格(AWG)	刚性	24-12	24-10
额定导线规格(AWG)	柔性	24-14	24-12
多组导线额定规格(AWG)	刚性	24-16	24-16
多组导线额定规格(AWG)	柔性	24-16	24-16
工作温度		-60℃~+110℃	
型号规格		MUT 2.5-PE	MUT 4-PE
图号		00721787	00722832
额定导线规格(AWG)	刚性	24-12	24-10
额定导线规格(AWG)	柔性	24-14	24-12
工作温度		-60℃~+110℃	

批 准:



上海仪器仪表自控系统检验测试所有限公司





# 中国国家强制性产品认证证书



证书编号: 2020322313000629

## 附 件

型号规格		MPT 1.5-S	MPT 2.5
图号		00753004	00764542
额定绝缘电压(V)		320	400
额定电压(V)		352	440
	带桥接	352	440
	带桥接(非相邻端子间)	220	352
	带桥接(相邻端子间)	166	220
	带桥接和盖板	352	440
额定电流(A)		14.5	20.5
	接触电阻 (mΩ)	1.6	0.8
额定导线规格(AWG)	刚性	26-16	26-12
额定导线规格(AWG)	柔性	26-16	26-14
工作温度		-60℃~+110℃	
型号规格		MPT 1.5-S-PE	MPT 2.5-PE
图号		00753970	00771174
额定导线规格(AWG)	刚性	26-16	26-12
额定导线规格(AWG)	柔性	26-16	26-14
工作温度		-60℃~+110℃	

批 准:



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# 中国国家强制性产品认证证书



证书编号: 2020322313000629

## 附 件

型号规格	固定在安装板上	MSB 2.5-F (MSDB 2.5-F)	MSB 2.5-M (MSDB 2.5-M)	MSB 2.5-RZ (MSDB 2.5-RZ)
图号		00461339 (00461344)	00461340 (00461345)	00461342 (00461347)
额定绝缘电压(V)		500	500	500
额定电压(V)		550	550	550
额定电流(A)		28	28	28
	接触电阻 (mΩ)	0.87	0.87	0.87
额定导线规格(mm <sup>2</sup> )	刚性	0.08-4	0.08-4	0.08-4
额定导线规格(mm <sup>2</sup> )	柔性	0.08-2.5	0.08-2.5	0.08-2.5
工作温度		-50℃~+110℃		

批 准:



上海仪器仪表自控系统检验测试所有限公司





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Product: Terminal blocks/Protective conductor terminal blocks

Model: MBK *a b*, MTKD *a b*, MUT *a b*, MPT *a b*, MSB *a b*, MSDB *a b*, MXK 4 *b*, MSLKG 2.5 *b*  
The suffix *b* of product model indicates the color of terminal block, which is irrelevant with explosion-proof performance. (The following model haven't shown the suffix)  
The model of product is MBK 3/E-Z, MBK 6/E, MSLKG 6, MBK 2.5/E, MSLKG 2.5, MBKKB 2.5, MXK 4, MSB 2.5, MSDB 2.5, MSB 2.5-M, MSDB 2.5-M, MSB 2.5-NS 35, MSDB 2.5-NS 35, MSB 2.5-RZ, MSDB 2.5-RZ, MSB 2.5-F, MSDB 2.5-F, MSB 2.5-M, MSDB 2.5-M, MSB 2.5-RZ, MSDB 2.5-RZ, MSB 2.5-PE, MSB 2.5-NS 35-PE, MUT 2.5, MUT 4, MUT 2.5-PE, MUT 4-PE, MPT 1.5-S, MPT 2.5, MPT 1.5-S-PE, MPT 2.5-PE, MTKD-CU/CUNI EX, MTKD-FE/CUNI EX, MTKD-NICR/CUNI EX, MTKD-NICRSI/NISI EX, MTKD-NICR/NI EX, MTKD-E-CU/A-CU EX, MTKD-S-CU/E-CU EX

Ex marking: Ex eb IIC

Electrical  
Parameter:

Type		MSLKG 2.5
Drawing		00300419
Connectable conductor cross section(AWG)	rigid	24-12
Connectable conductor cross section(AWG)	flexible	24-14
Operating temperature range		-50℃~+110℃

APPROVAL:

  
Xu JianPing



Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.

<http://www.sitilas.com.cn>

Building 9, 103 Cao Bao Road, Shanghai 200233, China

Tel: +86 21 64510844





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Type		MBK 3/E-Z	MBK 6/E
Drawing		00280063	00280649
Rated insulation voltage(V)		250	250
Rated voltage(V)		275	275
	with bridge FB	250	275
	at bridging between non-adjacent terminal block	176	-
Rated current(A)		21	37
	with bridge FB	22	33
	Contact resistance (mΩ)	0.5	0.78
Connectable conductor cross section(AWG)	rigid	24-12	20-8
Connectable conductor cross section(AWG)	flexible	24-14	20-10
Multiple conductor connection(AWG)	rigid	24-16	20-14
Multiple conductor connection(AWG)	flexible	24-16	20-14
Operating temperature range		-60℃~+105℃	

Type		MSLKG 6
Drawing		00281015
Connectable conductor cross section(AWG)	rigid	20-8
Connectable conductor cross section(AWG)	flexible	20-10
Operating temperature range		-60℃~+105℃

APPROVAL:

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Type		MBK 2.5/E
Drawing		00263523
Rated insulation voltage(V)		160
Rated voltage(V)		176
Rated current(A)		22
	With jumper type FBRN 10-5-EX	20
	With jumper type EB 2/3/10-5	19
	Contact resistance (mΩ)	0.35
Connectable conductor cross section(AWG)	rigid	24-14
Connectable conductor cross section(AWG)	flexible	24-18
Operating temperature range		-50℃~+110℃

Type	Fastened on mounting rails	MSB 2.5 (MSDB 2.5)	MSB 2.5-M (MSDB 2.5-M)	MSB 2.5-NS 35 (MSDB 2.5-NS 35)	MSB 2.5-RZ (MSDB 2.5-RZ)
Drawing		00461338 (00461343)	00461340 (00461345)	00461341 (00461346)	00461342 (00461347)
Rated insulation voltage(V)		630	630	630	630
Rated voltage(V)		690	690	690	690
Rated current(A)		28	28	28	28
	Contact resistance (mΩ)	0.87	0.87	0.87	0.87
Connectable conductor cross section(mm²)	rigid	0.08-4	0.08-4	0.08-4	0.08-4
Connectable conductor cross section(mm²)	flexible	0.08-2.5	0.08-2.5	0.08-2.5	0.08-2.5
Operating temperature range		-50℃~+110℃			

APPROVAL:

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Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



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No. : 2020322313000629

## Attachment

Type	Fastened on mounting rails	MSB 2.5-PE (MSB 2.5-NS 35-PE)
Drawing		00586073 (00589117)
Connectable conductor cross section(mm <sup>2</sup> )	rigid	0.08-4
Connectable conductor cross section(mm <sup>2</sup> )	flexible	0.08-2.5
Operating temperature range		-50℃~+110℃

Type		MBKKB 2.5
Drawing		00296270
Rated insulation voltage(V)		250
Rated voltage(V)		275
Rated current(A)		21
	With jumper type FBRNI...-5-EX	19
	Contact resistance (mΩ)	0.5(level 1) 0.4(level 2)
Connectable conductor cross section(AWG)	rigid	24-12
Connectable conductor cross section(AWG)	flexible	24-14
Multiple conductor connection(AWG)	rigid	24-16
Multiple conductor connection(AWG)	flexible	24-16
Operating temperature range		-50℃~+110℃

APPROVAL:

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Type		MXK 4
Drawing		00210928
Rated insulation voltage(V)		400
Rated voltage(V)		440
Rated current(A)		27
Connectable conductor cross section(AWG)	rigid	24-12
Connectable conductor cross section(AWG)	flexible	24-12
Multiple conductor connection(AWG)	rigid	24-16
Multiple conductor connection(AWG)	flexible	24-16
Operating temperature range		-60℃~+110℃

Type		MTKD-CU/CUNI EX MTKD-FE/CUNI EX MTKD-NICR/CUNI EX MTKD-NICRSI/NISI EX MTKD-NICR/NI EX MTKD-E-CU/A-CU EX MTKD-S-CU/E-CU EX
Drawing		00536223
Rated insulation voltage(V)		250
Rated voltage(V)		275
Rated current(A)		1
	Contact resistance (mΩ)	11
Connectable conductor cross section(AWG)	rigid	24-12
Connectable conductor cross section(AWG)	flexible	24-14
Operating temperature range		-50℃~+110℃

APPROVAL:

Xu JianPing



Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Type		MUT 2.5	MUT 4
Drawing		00721599	00722802
Rated insulation voltage(V)		320	320
Rated voltage(V)		352	352
	at bridging with fixed bridge	352	352
	At bridging between non-adjacent terminal blocks	220	220
	At bridging between non-adjacent terminal blocks via PE terminal block	220	220
	At cut-to-length bridging with cover	275	275
Rated current(A)		20.5	27.5
	Contact resistance (mΩ)	0.33	0.25
Connectable conductor cross section(AWG)	rigid	24-12	24-10
Connectable conductor cross section(AWG)	flexible	24-14	24-12
Multiple conductor connection(AWG)	rigid	24-16	24-16
Multiple conductor connection(AWG)	flexible	24-16	24-16
Operating temperature range		-60℃~+110℃	
Type		MUT 2.5-PE	MUT 4-PE
Drawing		00721787	00722832
Connectable conductor cross section(AWG)	rigid	24-12	24-10
Connectable conductor cross section(AWG)	flexible	24-14	24-12
Operating temperature range		-60℃~+110℃	

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Type		MPT 1.5-S	MPT 2.5
Drawing		00753004	00764542
Rated insulation voltage(V)		320	400
Rated voltage(V)		352	440
	at bridging with fixed bridge	352	440
	At bridging between non-adjacent terminal blocks	220	352
	At cut-to-length bridging	166	220
	At cut-to-length bridging with cover	352	440
Rated current(A)		14.5	20.5
	Contact resistance (mΩ)	1.6	0.8
Connectable conductor cross section(AWG)	rigid	26-16	26-12
Connectable conductor cross section(AWG)	flexible	26-16	26-14
Operating temperature range		-60℃~+110℃	
Type		MPT 1.5-S-PE	MPT 2.5-PE
Drawing		00753970	00771174
Connectable conductor cross section(AWG)	rigid	26-16	26-12
Connectable conductor cross section(AWG)	flexible	26-16	26-14
Operating temperature range		-60℃~+110℃	

APPROVAL:

Xu JianPing



Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



No. : 2020322313000629

## Attachment

Type	Fastened on mounting rails	MSB 2.5-F (MSDB 2.5-F)	MSB 2.5-M (MSDB 2.5-M)	MSB 2.5-RZ (MSDB 2.5-RZ)
Drawing		00461339 (00461344)	00461340 (00461345)	00461342 (00461347)
Rated insulation voltage(V)		500	500	500
Rated voltage(V)		550	550	550
Rated current(A)		28	28	28
	Contact resistance (mΩ)	0.87	0.87	0.87
Connectable conductor cross section(mm <sup>2</sup> )	rigid	0.08-4	0.08-4	0.08-4
Connectable conductor cross section(mm <sup>2</sup> )	flexible	0.08-2.5	0.08-2.5	0.08-2.5
Operating temperature range		-50℃~+110℃		

APPROVAL:

Xu JianPing



**Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.**