中国国家强制性产品认证证书

证书编号：2024322315005983

认证委托人名称及地址
Pepperl+Fuchs SE
Lilienthalstraße 200, 68307 Mannheim, Germany

生产者名称及地址
Pepperl+Fuchs SE
Lilienthalstraße 200, 68307 Mannheim, Germany

生产企业名称及地址
Pepperl+Fuchs (Vietnam) Company Limited
Lot S.12-16a, Street no. 20, Tan Thuan Export Processing Zone, Tan Thuan Ward, Ho Chi Minh City, Vietnam

产品名称和系列、型号、规格
电感式传感器
***-*-*-*-*-*-*

产品标准和技术要求
GB/T 3836.1-2021、GB/T 3836.31-2021

上述产品符合《强制性产品认证实施规则 防爆电气》(CNCA-C23-01:2024)的要求，特发此证。
发证日期:2026 年 03 月 05 日　有效期至:2029 年 05 月 27 日

首次发证日期:2024 年 05 月 28 日
认证模式:型式试验+初始工厂检查+获证后监督

证书信息和有效性可扫描下方二维码或登录发证机构网站查验，
也可在认监委网站（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

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2024322315005983

NAME AND ADDRESS OF THE APPLICANT
Pepperl+Fuchs SE
Lilienthalstraße 200, 68307 Mannheim, Germany

NAME AND ADDRESS OF THE MANUFACTURER
Pepperl+Fuchs SE
Lilienthalstraße 200, 68307 Mannheim, Germany

NAME AND ADDRESS OF THE FACTORY
Pepperl+Fuchs (Vietnam) Company Limited
Lot S.12-16a, Street no. 20, Tan Thuan Export Processing Zone, Tan Thuan Ward,
Ho Chi Minh City, Vietnam

NAME, SERIES, MODEL AND SPECIFICATION
Inductive Sensor
***-*-*-*-*-*-*

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS
GB/T 3836.1-2021、GB/T 3836.31-2021

This is to certify that the above-mentioned product(s)complies with the requirements of implementation rules for compulsory certification (CNCA-C23-01:2024).
Issue date:2026-03-05 Valid until:2029-05-27

Date of initial issue:2024-05-28
Type of Certification: Type test + Initial inspection + Surveillance inspection

The certificate details and validity can be verified by scanning the QR code below or logging into the issuing authority's official website. It can also be inquired on the CNCA website (www.cnca.gov.cn).

(In case of dispute, the Chinese text shall prevail.)

APPROVAL:

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

http://www.sitias.com.cn 103 Cao Bao Road, Shanghai 200233,China Tel: +86 21 64518419

中国国家强制性产品认证证书

证书编号：2024322315005983

证书附页：第 1 页 共 9 页

产品名称：
电感式传感器

型号规格：
FP 系列

Basic type

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

N Inductive proximity sensor

Sensor series

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

B Basic series with basic characteristics

C Comfort series with improved characteristics

Mounting conditions

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

B Flush

N Non-flush

Operating distance

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

x Operating distance in mm (decimal separator is comma or dot)

Mechanical design

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

FP Cubical enclosure shape version

Electrical output

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

A2 4-Wire, DC, PNP, Antivalent

Special feature

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

P1 Terminal base type

Connection element

NCB 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

V1 M12 x 1 device connector for DC proximity switches

本页为证书附页，应与证书主页同时使用。

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：2024322315005983

N C B 20 - FP - A2 - P1 - V1 - 3G - 3D - ...

Approvalindicator for EPL Gc (Optional)

/ Blank: no 3G product

3G Approval indicator for EPL Gc

Approvalindicator for EPL Dc

3D Approval indicator for EPL Dc

Customer specific versions

... Any letter or number combination as indicator for custom specific variants without impact on approval (optional)

/ Blank: no specification

VariKont ® U1K 系列

N B B 20 -U1K- E2 - … - … -3G- 3D - ...

Basic type

N Inductive proximity sensor

Sensor series

B Basic series with basic characteristics

C Comfort series with improved characteristics

Mounting conditions

B Flush

N Non-flush

Operating distance

x Operating distance in mm (decimal separator is comma or dot)

Mechanical design

U1K VariKont ® polymeric base with M20x1,5 thread and polymeric rotary socket

Electrical output

本页为证书附页，应与证书主页同时使用。

批 准：

上海仪器仪表自控系统检验测试所有限公司

http://www.sitiias.com.cn 中国•上海•漕宝路103号200233 电话：+86 21 64518419

中国国家强制性产品认证证书

证书编号：2024322315005983

NBB 20 -U1K- E2 - … - … -3G- 3D - ...	E2	3-Wire, DC, PNP, NO
	Special feature	
NBB 20 -U1K- E2 - … - … -3G- 3D - ...	/	Blank: no special feature
	Connection element (optional)	
NBB 20 -U1K- E2 - … - … -3G- 3D - ...	/	Blank: no connection element
	Approvalindicator for EPL Gc (Optional)	
NBB 20 -U1K- E2 - … - … -3G- 3D - ...	/	Blank: no 3G product
	3G	Approval indicator for EPL Gc
	Approvalindicator for EPL Dc	
NBB 20 -U1K- E2 - … - … -3G- 3D - ...	3D	Approval indicator for EPL Dc
	Customer specific versions	
NBB 20 -U1K- E2 - … - … -3G- 3D - ...	...	Any letter or number combination as indicator for custom specific variants without impact on approval (optional)
	/	Blank: no specification

VariKont ® L2 系列

	Basic type	
NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...	N	Inductive proximity sensor
	Sensor series	
NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...	B	Basic series with basic characteristics
	C	Comfort series with improved characteristics
	Mounting conditions	
NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...	B	Flush
	N	Non-flush

本页为证书附页，应与证书主页同时使用。

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：2024322315005983

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Operating distance

x Operating distance in mm (decimal separator is comma or dot)

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Mechanical design

L2 VariKont ® L – Polymeric enclosure

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Electrical output

A2 4-Wire, DC, PNP, Antivalent

E2 3-Wire, DC, PNP, NO

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Special feature

/ Blank: no special feature

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Connection element

V1 M12 x 1 device connector for DC proximity switches

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Approvalindicator for EPL Gc (Optional)

/ Blank: no 3G product

3G Approval indicator for EPL Gc

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Approvalindicator for EPL Dc

3D Approval indicator for EPL Dc

NBB 20 - L2 - A2 - … - V1 - 3G - 3D - ...

Customer specific versions

... Any letter or number combination as indicator for custom specific variants without impact on approval (optional)

/ Blank: no specification

PMI 系列

本页为证书附页，应与证书主页同时使用。

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：2024322315005983

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Basic type

PMI Position measuring inductive sensor

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Measuring Range

x Operating distance in mm (decimal separator is comma or dot)

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Mechanical design

F90 Enclosure design

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Electrical output

IU2EP 3-Wire, DC, Current/Voltage, Analog and 4-Wire, DC, NPN/PNP, Push-Pull

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Special feature

/ Blank: no special feature

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Connection element

V15 M12 x 1 device connector for DC proximity switches

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Approvalindicator for EPL Gc (Optional)

/ Blank: no 3G product

3G Approval indicator for EPL Gc

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Approvalindicator for EPL Dc

3D Approval indicator for EPL Dc

PMI40-F90-IU2EP-IO-V15-3G-3D-...

Customer specific versions

... Any letter or number combination as indicator for custom specific variants without impact on approval (optional)

本页为证书附页，应与证书主页同时使用。

批 准：

上海仪器仪表自控系统检验测试所有限公司

http://www.sitiias.com.cn 中国•上海•漕宝路103号200233 电话：+86 21 64518419

中国国家强制性产品认证证书

证书编号：2024322315005983

/ Blank: no specification

V3 系列

Basic type

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

N Inductive proximity sensor

Sensor series

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

B Basic series with basic characteristics

C Comfort series with improved characteristics

Mounting conditions

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

B Flush

N Non-flush

Operating distance

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

x Operating distance in mm (decimal separator is comma or dot)

Mechanical design

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

V3 Cubical enclosure shape version

Electrical output

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

E2 3-Wire, DC, PNP, NO

Z4 2-wire, DC, NO, reverse polarity protected

Z4L 2-wire, DC

Special feature

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

/ Blank: no special feature

Connection element

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

V1 M12 x 1 device connector for DC proximity switches

本页为证书附页，应与证书主页同时使用。

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：2024322315005983

N B B 20 - V3 - E2 - … - V1 - 3G - 3D - ...

Approvalindicator for EPL Gc (Optional)

/ Blank: no 3G product

3G Approval indicator for EPL Gc

Approvalindicator for EPL Dc

3D Approval indicator for EPL Dc

N B B 20 - V3 - E2 - - V1 - 3G - 3D - ...

Customer specific versions

... Any letter or number combination as indicator for custom specific variants without impact on approval (optional)

/ Blank: no specification

防爆标志：

Ex tc ⅢC T80°C Dc

电气参数：

型号规格代码									最高使用环境温度 °C					
									30 Vdc 最大负载电流			60 Vdc 最大负载电流		9 Vdc 串联最小
1	2	3	4	5	6	7	8	9	30 mA	100 mA	200 mA	30 mA	100 mA	562 Ω (NAMUR)
NCB	x	-FP	-A2	-P1		-x	-3D	-x	57	56	53	48	47	N/A
NCN	x	-FP	-A2	-P1		-x	-3D	-x	57	56	53	48	47	N/A
NBB	x	-U1K	-E2			-x	-3D	-x	54	52	50	N/A	N/A	N/A
NBB	x	-U1K	-E2			-x	-3D	-x	54	52	50	N/A	N/A	N/A
NBN	x	-L2	-A2		-V1	-x	-3D	-x	54	53	50	N/A	N/A	N/A
NBN	x	-L2	-E2		-V1	-x	-3D	-x	55	54	51	N/A	N/A	N/A
NCB	x	-L2	-E2		-V1	-x	-3D	-x	55	54	51	N/A	N/A	N/A
NCN	x	-L2	-A2		-V1	-x	-3D	-x	54	53	50	N/A	N/A	N/A
NCB	x	-L2	-N0		-V1			-x	N/A	N/A	N/A	N/A	N/A	65

本页为证书附页，应与证书主页同时使用。

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：2024322315005983

证书附页：第 8 页 共 9 页

NCN	x	-L2	-N0		-V1			-x	N/A	N/A	N/A	N/A	N/A	65
NBB	x	-V3	-E2			-x	-3D	-x	46	45	N/A	N/A	N/A	N/A
NBB	x	-V3	-Z4			-x	-3D	-x	N/A	N/A	N/A	58	41	N/A
NBB	x	-V3	-Z4L			-x	-3D	-x	60	N/A	N/A	N/A	N/A	N/A
NBN	x	-V3	-E2			-x	-3D	-x	46	45	N/A	N/A	N/A	N/A

型号规格代码									最高使用环境温度 °C	
									双开关单元 每个 I_{Lmax}= 100 mA	双开关单元 每个 I_{Lmax}= 100 mA
1	2	3	4	5	6	7	8	9	1 路模拟输出： U_{Amax} = 10 V AC I_{Amax} = 20 mA	1 路模拟输出： U_{Amax} = 10 V AC I_{Amax} = 20 mA
PMI	40	-F90	-IU2EP	-IO	-V15	-x	-3D	-x	32	50
PMI	80	-F90	-IU2EP	-IO	-V15	-x	-3D	-x	37	52
PMI	120	-F90	-IU2EP	-IO	-V15	-x	-3D	-x	37	50

相关报告编号：

2023S17402-012859

使用条件：

1.产品使用环境温度范围：-25℃≤Ta≤Ta_{max}，其中 Ta_{max}（最高使用环境温度）见电气参数。

2. 产品在现场安装时，应考虑其环境参数，详见 IECEx TUR 21.0020X 附件 技术数据以及产品说明书。

3. 产品在现场安装时，应将静电的风险降至最低，详见产品说明书。

4. 产品在现场安装时，应注意避免其直接受到紫外线照射，详见产品说明书。

5. 产品在现场安装时，应注意采取可靠措施防止其受到机械损坏，详见产品说明书。

6. N**-L2-*-V1-*-*-*, PMI*-F90-V15-*-3D-*, NC**-FP-A2-P1-*-3D-* 和 NB**-U1K-E2-*-3D-*型产品在现场使用时严禁带电接通或断开。

本页为证书附页，应与证书主页同时使用。

批 准：

上海仪器仪表自控系统检验测试所有限公司

http://www.sitiias.com.cn 中国•上海•漕宝路103号200233 电话：+86 21 64518419

中国国家强制性产品认证证书

证书编号：2024322315005983

7. N**-L2-*-V1-*-*-* 和 PMI*-F90-V15-*-3D-*型产品的插接连接装置应符合 GB/T 3836.15 的相关要求，其外壳防护等级应不低于 GB/T 3836.1 所规定的 IP64 等级，详见产品说明书。

8.产品外壳防护等级（IP 代码）：IP64。

本页为证书附页，应与证书主页同时使用。

批 准：

上海仪器仪表自控系统检验测试所有限公司

http://www.sitiias.com.cn 中国•上海•漕宝路103号200233 电话：+86 21 64518419