

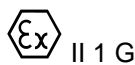
UK Type Examination Certificate CML 21UKEX21166X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Cylindrical Inductive Proximity Sensors Types NC... and NJ...**
- 3 Manufacturer **Pepperl+Fuchs SE**
- 4 Address **Lilienthalstrasse 200
68307 Mannheim
Germany**

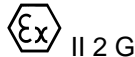
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

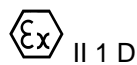
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:
EN IEC 60079-0:2018 EN 60079-11:2012
- 10 The equipment shall be marked with the following:



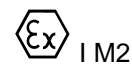
Ex ia IIC T6...T1 Ga



Ex ia IIC T6...T1 Gb



Ex ia IIIC T200 135°C Da



Ex ia I Mb



CML 21UKEX21166X
Issue 0

11 Description

The cylindrical inductive proximity sensors of types NC... and NJ... are used to convert mechanical displacements into an electrical signal.

The sensors are supplied from an intrinsically safe circuit and they are suitable to be used in hazardous areas of group I, group II and group III.

The area classification of the inductive sensor depends on the level of protection of the intrinsically safe circuit the sensor is connected to.

Electrical data

Evaluation and supply circuit-

Only for connection to a certified intrinsically safe circuit

resp. Ex ia IIC/IIB for EPL Ga
resp. Ex ia IIIC for EPL Da
resp. Ex ia IIC/IIB or Ex ib IIC/IIB for EPL Gb
resp. Ex ia IIIC or Ex ib IIIC for EPL Db

Maximum values:

Table 1

	Type 1	Type 2	Type 3	Type 4
U _i	16 V	16 V	16 V	16 V
I _i	25 mA	25 mA	52 mA	76 mA
P _i	34 mW	64 mW	169 mW	242 mW

For relationship between type of the connected circuit, maximum permissible ambient temperature for group I (EPL Mb), group II (EPL Ga/Gb) resp. group III (EPL Da) equipment and temperature class as well as the effective internal reactances for the individual types of cylindrical inductive proximity sensors, reference is made to the following tables:



CML 21UKEX21166X
Issue 0

Table 2 Application as Group I equipment, EPL Mb

			type 1 U _i = 16V I _i = 25 mA P _i = 34 mW	type 2 U _i = 16V I _i = 25 mA P _i = 64 mW	type 3 U _i = 16V I _i = 52 mA P _i = 169 mW	type 4 U _i = 16V I _i = 76 mA P _i = 242 mW
type	C _i	L _i	maximum permissible ambient temperature in °C			
	[nF]	[µH]	T	T	T	T
NCB1,5...M...N0...	90	100	100	100	85	67
NCB10-30GK...-N0...	105	100	100	100	80	61
NCB10-30GM...-N0...	105	100	100	100	81	63
NCB15-30GM...-N0...	120	150	100	100	85	67
NCB2-12GK...-N0...	90	100	100	100	80	61
NCB2-12GM...-N0...	90	100	100	100	81	63
NCB4-12GM...-N0...	120	50	100	100	85	67
NCB5-18GK...-N0...	95	100	100	100	80	61
NCB5-18GM...-N0...	95	100	100	100	81	63
NCB8-18GM...-N0...	120	50	100	100	85	67
NCN15-30GK...-N0...	110	100	100	100	80	61
NCN15-30GM...-N0...	110	100	100	100	81	63
NCN4-12GK...-N0...	95	100	100	100	80	61
NCN4-12GM...-N0...	95	100	100	100	81	63
NCN8-18GK...-N0...	95	100	100	100	80	61
NCN8-18GM...-N0...	95	100	100	100	81	63
NJ0,2-10GM-N...	20	50	100	100	67	41
NJ0,8-4,5-N...	30	50	100	100	67	41
NJ0,8-5GM-N...	30	50	100	100	67	41
NJ1,5-10GM-N-Y...	20	50	100	100	67	41
NJ1,5-18GM-N-D...	50	60	100	100	81	63
NJ1,5-6,5...-N...	30	50	100	100	67	41
NJ1,5-8GM-N...	30	50	100	100	67	41
NJ1,5-8-N...	20	50	100	100	67	41
NJ10-22-N...	130	100	100	100	80	61
NJ10-30GK...-N...	140	100	100	100	80	61
NJ10-30GM-N...	140	100	100	100	81	63
NJ15-30GK...-N...	140	100	100	100	80	61
NJ15-30GK-N-150...	140	100	139	134	116	104
NJ15-30GM-N...	140	100	100	100	81	63
NJ2,5-14GM-N...	30	50	100	100	81	63
NJ20-40-N...	140	140	100	100	80	61
NJ2-11-N...	45	50	100	100	89	74
NJ2-11-N-G...	30	50	100	100	81	63
NJ2-12GK-N...	45	50	100	100	80	61
NJ2-12GM-N...	30	50	100	100	81	63
NJ2-14GM-N...	30	50	100	100	81	63
NJ25-50-N...	150	140	100	100	80	61
NJ4-12GK-N...	45	50	100	100	80	61
NJ4-12GM-N...	45	50	100	100	67	41
NJ4-14GK-N...	45	50	100	100	80	61
NJ4-30GM-N-200... (amp)	70	100	100	100	89	74
NJ4-30GM-N-200... (osc)	70	100	138	131	110	95
NJ5-10-11-N...	70	100	100	100	78	57
NJ5-11-N...	45	50	100	100	82	63
NJ5-18GK-N...	70	50	100	100	80	61
NJ5-18GK-N-150...	70	50	139	134	116	104
NJ5-18GM-N...	70	50	100	100	81	63
NJ6-22-N...	130	100	100	100	80	61
NJ8-18GK-N...	70	50	100	100	80	61
NJ8-18GK-N-150...	70	50	139	134	116	104
NJ8-18GM-N...	70	50	100	100	81	63



CML 21UKEX21166X
Issue 0

Table 3 Application as Group II equipment, EPL Ga/Gb:

type	EPL	C/		type 1					type 2					type 3					type 4				
		nF	µH	T6	T5	T4	T3	T2-T1	T6	T5	T4	T3	T2-T1	T6	T5	T4	T3	T2-T1	T6	T5	T4	T3	T2-T1
				U _i = 16 V I _i = 25 mA P _i = 34 mW					U _i = 16 V I _i = 25 mA P _i = 64 mW					U _i = 16 V I _i = 52 mA P _i = 169mW					U _i = 16 V I _i = 76 mA P _i = 242 mW				
NCB1,5...M...N0...	Ga/Gb	90	100	74	89	100	100	100	69	84	100	100	100	51	66	85	85	85	39	54	67	67	67
NCB10-30GK...-N0...	Gb	105	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NCB10-30GM...-N0...	Ga/Gb	105	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NCB15-30GM...-N0...	Ga/Gb	120	150	74	89	100	100	100	69	84	100	100	100	51	66	74	74	74	39	52	52	52	52
NCB2-12GK...-N0...	Gb	90	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NCB2-12GM...-N0...	Ga/Gb	90	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NCB4-12GM...-N0...	Ga/Gb	120	50	74	89	100	100	100	69	84	100	100	100	51	66	74	74	74	39	52	52	52	52
NCB5-18GK...-N0...	Gb	95	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NCB5-18GM...-N0...	Ga/Gb	95	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NCB8-18GM...-N0...	Ga/Gb	120	50	74	89	100	100	100	69	84	100	100	100	51	66	74	74	74	39	52	52	52	52
NCN15-30GK...-N0...	Gb	110	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NCN15-30GM...-N0...	Ga/Gb	110	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NCN4-12GK...-N0...	Gb	95	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NCN4-12GM...-N0...	Ga/Gb	95	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NCN8-18GK...-N0...	Gb	95	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NCN8-18GM...-N0...	Ga/Gb	95	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 0,2-10GM-N...	Gb	20	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 0,8-4,5-N...	Gb	30	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 0,8-5GM-N...	Ga/Gb	30	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 1,5-10GM-N-Y...	Ga/Gb	20	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 1,5-18GM-N-D...	Ga/Gb	50	60	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 1,5-6,5...-N...	Ga/Gb	30	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 1,5-8GM-N...	Ga/Gb	30	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 1,5-8-N...	Gb	20	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 10-22-N...	Gb	130	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 10-30GK...-N...	Gb	140	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 10-30GM-N...	Ga/Gb	140	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 15-30GK...-N...	Ga/Gb	140	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 15-30GK-N-150...	Ga/Gb	140	100	73	88	124	150	150	69	84	119	150	150	51	66	101	150	150	39	54	89	136	136
NJ 15-30GM-N...	Ga/Gb	140	100	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 2,5-14GM-N...	Gb	30	50	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 20-40-N...	Gb	140	140	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 2-11-N...	Ga/Gb	45	50	73	88	100	100	100	66	81	100	100	100	45	60	89	89	89	30	45	74	74	74
NJ 2-11-N-G...	Ga/Gb	30	50	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 2-12GK-N...	Gb	45	50	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 2-12GM-N...	Ga/Gb	30	50	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 2-14GM-N...	Gb	30	50	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 25-50-N...	Gb	150	140	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 4-12GK-N...	Gb	45	50	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 4-12GM-N...	Ga/Gb	45	50	73	88	100	100	100	68	83	100	100	100	49	64	67	67	67	36	42	42	42	42
NJ 4-14GK-N...	Gb	45	50	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 4-30GM-N-200...(amp)	Ga/Gb	70	100	73	88	100	100	100	66	81	100	100	100	45	60	89	89	89	30	45	74	74	74
NJ 4-30GM-N-200...(osc)	Ga/Gb	70	100	73	88	123	188	192	66	81	116	181	186	45	60	95	160	164	30	45	80	145	149
NJ 5-10-11-N...	Gb	70	100	73	88	100	100	100	66	81	100	100	100	45	60	78	78	78	30	45	57	57	57
NJ 5-11-N...	Gb	45	50	72	87	100	100	100	65	80	100	100	100	42	57	82	82	82	26	41	63	63	63
NJ 5-18GK-N...	Ga/Gb	70	50	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 5-18GK-N-150...	Ga/Gb	70	50	73	88	124	150	150	69	84	119	150	150	51	66	101	150	150	39	54	89	136	136
NJ 5-18GM-N...	Ga/Gb	70	50	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63
NJ 6-22-N...	Gb	130	100	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 8-18GK-N...	Ga/Gb	70	50	73	88	100	100	100	69	84	100	100	100	51	66	80	80	80	39	54	61	61	61
NJ 8-18GK-N-150...	Ga/Gb	70	50	73	88	124	150	150	69	84	119	150	150	51	66	101	150	150	39	54	89	136	136
NJ 8-18GM-N...	Ga/Gb	70	50	76	91	100	100	100	73	88	100	100	100	62	77	81	81	81	54	63	63	63	63



CML 21UKEX21166X
Issue 0

Table 4 Application as Group III equipment, EPL Da:

type	C _i [nF]	L _i [μH]	type 1	type 2	type 3	type 4
			U _i = 16V I _i = 25 mA P _i = 34 mW	U _i = 16V I _i = 25 mA P _i = 64 mW	U _i = 16V I _i = 52 mA P _i = 169 mW	U _i = 16V I _i = 76 mA P _i = 242 mW
maximum permissible ambient temperature in °C						
			T	T	T	T
NCB1,5...M...N0...	90	100	100	100	67	not permitted
NCB10-30GK...-N0...	105	100	100	100	62	not permitted
NCB10-30GM...-N0...	105	100	100	100	63	not permitted
NCB15-30GM...-N0...	120	150	100	100	67	not permitted
NCB2-12GK...-N0...	90	100	100	100	62	not permitted
NCB2-12GM...-N0...	90	100	100	100	63	not permitted
NCB4-12GM...-N0...	120	50	100	100	67	not permitted
NCB5-18GK...-N0...	95	100	100	100	62	not permitted
NCB5-18GM...-N0...	95	100	100	100	63	not permitted
NCB8-18GM...-N0...	120	50	100	100	67	not permitted
NCN15-30GK...-N0...	110	100	100	100	62	not permitted
NCN15-30GM...-N0...	110	100	100	100	63	not permitted
NCN4-12GK...-N0...	95	100	100	100	62	not permitted
NCN4-12GM...-N0...	95	100	100	100	63	not permitted
NCN8-18GK...-N0...	95	100	100	100	62	not permitted
NCN8-18GM...-N0...	95	100	100	100	63	not permitted
NJ0,2-10GM-N...	20	50	100	96	48	not permitted
NJ0,8-4,5-N...	30	50	100	96	48	not permitted
NJ0,8-5GM-N...	30	50	100	96	48	not permitted
NJ1,5-10GM-N-Y...	20	50	100	96	48	not permitted
NJ1,5-18GM-N-D...	50	60	100	100	63	not permitted
NJ1,5-6,5...-N...	30	50	100	96	48	not permitted
NJ1,5-8GM-N...	30	50	100	96	48	not permitted
NJ1,5-8-N...	20	50	100	96	48	not permitted
NJ10-22-N...	130	100	100	100	62	not permitted
NJ10-30GK...-N...	140	100	100	100	62	not permitted
NJ10-30GM-N...	140	100	100	100	63	not permitted
NJ15-30GK...-N...	140	100	100	100	62	not permitted
NJ15-30GK-N-150...	140	100	100	100	82	not permitted
NJ15-30GM-N...	140	100	100	100	63	not permitted
NJ2,5-14GM-N...	30	50	100	100	63	not permitted
NJ20-40-N...	140	140	100	100	62	not permitted
NJ2-11-N...	45	50	100	100	71	not permitted
NJ2-11-N-G...	30	50	100	100	63	not permitted
NJ2-12GK-N...	45	50	100	100	62	not permitted
NJ2-12GM-N...	30	50	100	100	63	not permitted
NJ2-14GM-N...	30	50	100	100	63	not permitted
NJ25-50-N...	150	140	100	100	62	not permitted
NJ4-12GK-N...	45	50	100	100	62	not permitted
NJ4-12GM-N...	45	50	100	96	48	not permitted
NJ4-14GK-N...	45	50	100	100	62	not permitted
NJ4-30GM-N-200... (amp)	70	100	100	100	71	not permitted
NJ4-30GM-N-200... (osc)	70	100	100	100	100	not permitted
NJ5-10-11-N...	70	100	100	100	59	not permitted
NJ5-11-N...	45	50	100	100	63	not permitted
NJ5-18GK-N...	70	50	100	100	62	not permitted
NJ5-18GK-N-150...	70	50	100	100	82	not permitted
NJ5-18GM-N...	70	50	100	100	63	not permitted
NJ6-22-N...	130	100	100	100	62	not permitted
NJ8-18GK-N...	70	50	100	100	62	not permitted
NJ8-18GK-N-150...	70	50	100	100	82	not permitted
NJ8-18GM-N...	70	50	100	100	63	not permitted



CML 21UKEX21166X
Issue 0

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	15 Sept 2021	R14112BS/00	Prime Certificate issued.

Note: Drawings that describe the equipment are listed or referred to in the Annex.

13 Conditions of Manufacture

None.

14 Specific Conditions of Use

- For relationship between type of the connected circuit, maximum permissible ambient temperature and temperature class as well as the effective internal reactances for the individual types of cylindrical inductive proximity sensors, reference is made to tables 2 to 4 in this certificate and in the operating instructions manual.
- Appropriate measures need to be taken to protect the cylindrical inductive proximity sensors against mechanical damage due to impact if they are used within an ambient temperature range between – 60 °C and – 20 °C. An ambient temperature below – 60°C is not permissible.
- The connection facilities of the cylindrical inductive proximity sensors shall be installed as such that a minimum degree of protection of IP20 according IEC 60529 is complied with.
- Inadmissible electrostatic charge of the plastic enclosures shall be avoided for the application of the following types of cylindrical inductive proximity sensors according to the explosion groups and EPL specified in the following table. When the respective types of cylindrical inductive proximity sensors are applied in potentially explosive gas atmospheres a corresponding warning note shall be affixed on the cylindrical inductive proximity sensors or near the cylindrical inductive proximity sensors respectively. When these are applied in potentially explosive gas or dust atmospheres the corresponding notes given in the operating instructions manual shall be considered.

Table 5



CML 21UKEX21166X
Issue 0

Type	Group I	Group II (EPL Ga)	Group II (EPL Gb)	Group III
NCB1,5...M...N0...	-	-	-	-
NCB10-30GK...-N0...	-	not permitted	-	III
NCB10-30GM...-N0...	-	IIC	-	III
NCB15-30GM...-N0...	-	IIC	-	III
NCB2-12GK...-N0...	-	not permitted	-	-
NCB2-12GM...-N0...	-	-	-	-
NCB4-12GM...-N0...	-	-	-	-
NCB5-18GK...-N0...	-	not permitted	-	III
NCB5-18GM...-N0...	-	-	-	-
NCB8-18GM...-N0...	-	-	-	-
NCN15-30GK...-N0...	-	not permitted	-	III
NCN15-30GM...-N0...	-	IIC	-	III
NCN4-12GK...-N0...	-	not permitted	-	-
NCN4-12GM...-N0...	-	-	-	-
NCN8-18GK...-N0...	-	not permitted	-	III
NCN8-18GM...-N0...	-	-	-	-
NJ0,2-10GM-N...	-	not permitted	-	-
NJ0,8-4,5-N...	-	not permitted	-	-
NJ0,8-5GM-N...	-	-	-	-
NJ1,5-10GM-N-Y...	-	-	-	-
NJ1,5-18GM-N-D...	-	-	-	-
NJ1,5-6,5...-N...	-	-	-	-
NJ1,5-8GM-N...	-	-	-	-
NJ1,5-8-N...	-	not permitted	-	-
NJ10-22-N...	-	not permitted	-	III
NJ10-30GK...-N...	-	not permitted	-	III
NJ10-30GM-N...	-	IIC	-	III
NJ15-30GK...-N...	-	IIC	-	III
NJ15-30GK-N-150...	-	IIC	-	III
NJ15-30GM-N...	-	IIC	-	III
NJ2,5-14GM-N...	-	not permitted	-	-
NJ20-40-N...	-	not permitted	IIC	III
NJ2-11-N...	-	-	-	-
NJ2-11-N-G...	-	-	-	-
NJ2-12GK-N...	-	not permitted	-	-
NJ2-12GM-N...	-	-	-	-
NJ2-14GM-N...	-	not permitted	-	-
NJ25-50-N...	-	not permitted	IIC	III
NJ4-12GK-N...	-	not permitted	-	-
NJ4-12GM-N...	-	-	-	-
NJ4-14GK-N...	-	not permitted	-	-
NJ4-30GM-N-200... (amplifier unit)	-	IIC	-	-
NJ4-30GM-N-200... (oscillator unit)	-	IIC	-	-
NJ5-10-11-N...	-	not permitted	-	-
NJ5-11-N...	-	not permitted	-	-
NJ5-18GK-N...	-	IIC	-	III
NJ5-18GK-N-150...	-	IIC	-	-
NJ5-18GM-N...	-	-	-	-
NJ6-22-N...	-	not permitted	-	-
NJ8-18GK-N...	-	IIC	-	-
NJ8-18GK-N-150...	-	IIC	-	-
NJ8-18GM-N...	-	-	-	-

Cylindrical inductive proximity sensors which are marked (IIC or IIB or IIA or III) in column “Group ...” need to be protected against dangerous electrostatic charges



CML 21UKEX21166X
Issue 0

- For the application of the following cylindrical inductive proximity sensors in hazardous areas of group I, II and III appropriate measures need to be taken to protect the free resin surface against mechanical damage if the free resin surface is accessible after installation:

NCB5-18GM20-N0-Y106294

NJ1,5-10GM-N-Y07451

NJ15-30GK-N-Y08943

NJ25-50-N...

- Inadmissible electrostatic charge of parts of the metal housing has to be avoided for the following types of cylindrical inductive proximity sensors. Dangerous electrostatic charge of parts of the metal housing can be avoided by grounding of these parts whereas very small parts of the metal housing (e.g. screws) do not need to be grounded:

NCB1,5...M...N0...

NCB2-12GM...-N0...

NCB4-12GM...-N0...

NCB5-18GM...-N0...

NCB8-18GM...-N0...

NCB10-30GM...-N0...

NCB15-30GM...-N0...

NCN4-12GM...-N0...

NCN8-18GM...-N0...

NCN15-30GM...-N0...

NJ0,2-10GM-N...

NJ0,8-4,5-N...

NJ0,8-5GM-N...

NJ1,5-6,5...-N...

NJ1,5-10GM-N-Y...

NJ1,5-8GM-N...

NJ1,5-8-N...

NJ1,5-18GM-N-D...

NJ2-11-N-G...

NJ2-12GM-N...

NJ2-14GM-N...

NJ2,5-14GM-N...

NJ4-12GM-N...

NJ4-30GM-N-200...

NJ5-11-N-545...

NJ5-11-N-G...

NJ5-18GM-N...

NJ6-22-N-G...

NJ8-18GM-N...

NJ10-22-N-G...

NJ10-30GM-N...

NJ15-30GM-N...

Certificate Annex

Certificate Number CML 21UKEX21166X
Equipment Cylindrical Inductive Proximity Sensors Types NC... and NJ...
Manufacturer Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

Issue 0

For drawings describing the equipment, refer to attached certificate IECEx PTB 11.0037X. In addition to the drawings listed on IECEx PTB 11.0037X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 to 2	0	15 Sept 2021	Additional Marking Requirements for UKCA