

## IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product

**Residual current operated circuit-breakers with integral overcurrent protection (RCBO's)**

Name and address of the applicant

**LEGRAND FRANCE**Zone Industrielle les trois moulins 159 rue Jean Joannon CS  
80729  
06605 ANTIBES CEDEX  
France

Name and address of the manufacturer

**LEGRAND FRANCE**Zone Industrielle les trois moulins 159 rue Jean Joannon CS  
80729  
06605 ANTIBES CEDEX  
France

Name and address of the factory

**LEGRAND FRANCE**Zone Industrielle les trois moulins 159 rue Jean Joannon CS  
80729  
06605 ANTIBES CEDEX  
France

Note: When more than one factory, please report on page 2

 Additional Information on page 2

Ratings and principal characteristics

See Annex

Trademark (if any)

LEGRAND

Customer's Testing Facility (CTF) Stage used

CTF2

Model / Type Ref.

Series DX<sup>3</sup> Germanique  
References see Annex

Additional information (if necessary may also be reported on page 2)

Supersedes CBTC 654642 dated 2014-10-02.(update the certificate)

 Additional Information on page 2

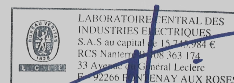
A sample of the product was tested and found to be in conformity with

IEC 61009-1:2010(ed.3) +A1:2012 +A2:2013  
IEC 61009-2-1:1991(ed.1)  
IEC 62423:2009(ed.2)

As shown in the Test Report Ref. No. which forms part of this Certificate

127052-654642, 127052-654642/1 to 127052-654642/63,  
148141-701879 A to 148141-701879 A11

This CB Test Certificate is issued by the National Certification Body

LCIE – Laboratoire Central des Industries Electriques  
33, avenue du Général Leclerc – BP8  
FR 92 266 Fontenay aux Roses Cedex  
[www.lcie.fr](http://www.lcie.fr)

Date: 15/06/2017

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Certification Officer

## ANNEX

## REFERENCES, MAIN CHARACTERISTICS

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1728	0.5	C	30	AC	Right	6000A
LG1729	1	C	30	AC	Right	6000A
4110 07	2	C	30	AC	Right	6000A
4110 08	3	C	30	AC	Right	6000A
4110 09	4	C	30	AC	Right	6000A
4110 10	6	C	30	AC	Right	6000A
4110 11	10	C	30	AC	Right	6000A
4110 12	13	C	30	AC	Right	6000A
4110 13	16	C	30	AC	Right	6000A
4110 14	20	C	30	AC	Right	6000A
4110 15	25	C	30	AC	Right	6000A
4110 16	32	C	30	AC	Right	6000A
4110 17	40	C	30	AC	Right	6000A

RCBO's references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1730	0.5	C	300	AC	Right	6000A
LG1731	1	C	300	AC	Right	6000A
LG1732	2	C	300	AC	Right	6000A
LG1733	3	C	300	AC	Right	6000A
LG1734	4	C	300	AC	Right	6000A
LG1735	6	C	300	AC	Right	6000A
4110 33	10	C	300	AC	Right	6000A
LG1736	13	C	300	AC	Right	6000A
4110 35	16	C	300	AC	Right	6000A
LG1737	20	C	300	AC	Right	6000A
LG1738	25	C	300	AC	Right	6000A
LG1739	32	C	300	AC	Right	6000A
LG1740	40	C	300	AC	Right	6000A



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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1727	2	C	10	AC	Right	6000A
LG4400	3	C	10	AC	Right	6000A
LG4401	4	C	10	AC	Right	6000A
LG4402	6	C	10	AC	Right	6000A
LG4403	10	C	10	AC	Right	6000A
LG4404	13	C	10	AC	Right	6000A
4109 95	16	C	10	AC	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1748	0.5	C	30	A	Right	6000A
LG1749	1	C	30	A	Right	6000A
LG1750	2	C	30	A	Right	6000A
LG1751	3	C	30	A	Right	6000A
LG1752	4	C	30	A	Right	6000A
4110 58	6	C	30	A	Right	6000A
4110 59	10	C	30	A	Right	6000A
4110 60	13	C	30	A	Right	6000A
4110 61	16	C	30	A	Right	6000A
4110 62	20	C	30	A	Right	6000A
4110 63	25	C	30	A	Right	6000A
4110 64	32	C	30	A	Right	6000A
4110 65	40	C	30	A	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1753	0.5	C	300	A	Right	6000A
LG4410	1	C	300	A	Right	6000A
LG4411	2	C	300	A	Right	6000A
LG4412	3	C	300	A	Right	6000A
LG4413	4	C	300	A	Right	6000A
LG4414	6	C	300	A	Right	6000A
4110 81	10	C	300	A	Right	6000A
LG4415	13	C	300	A	Right	6000A
4110 83	16	C	300	A	Right	6000A
4110 84	20	C	300	A	Right	6000A
LG4416	25	C	300	A	Right	6000A
LG4417	32	C	300	A	Right	6000A
LG1754	40	C	300	A	Right	6000A



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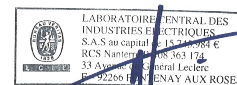
references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1747	2	C	10	A	Right	6000A
LG4405	3	C	10	A	Right	6000A
LG4406	4	C	10	A	Right	6000A
LG4407	6	C	10	A	Right	6000A
LG4408	10	C	10	A	Right	6000A
LG4409	13	C	10	A	Right	6000A
4110 43	16	C	10	A	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG7062	0.5	C	30	A*	Right	6000A
LG7063	1	C	30	A*	Right	6000A
LG7064	2	C	30	A*	Right	6000A
LG7065	3	C	30	A*	Right	6000A
LG7066	4	C	30	A*	Right	6000A
LG7067	6	C	30	A*	Right	6000A
LG7068	10	C	30	A*	Right	6000A
LG7069	13	C	30	A*	Right	6000A
LG7070	16	C	30	A*	Right	6000A
LG7071	20	C	30	A*	Right	6000A
LG7072	25	C	30	A*	Right	6000A
LG7073	32	C	30	A*	Right	6000A
LG7074	40	C	30	A*	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1701	0.5	B	30	AC	Right	6000A
LG4434	1	B	30	AC	Right	6000A
LG1702	2	B	30	AC	Right	6000A
LG1703	3	B	30	AC	Right	6000A
LG1704	4	B	30	AC	Right	6000A
4109 18	6	B	30	AC	Right	6000A
4109 19	10	B	30	AC	Right	6000A
4109 20	13	B	30	AC	Right	6000A
4109 21	16	B	30	AC	Right	6000A
4109 22	20	B	30	AC	Right	6000A
4109 23	25	B	30	AC	Right	6000A
4109 24	32	B	30	AC	Right	6000A
4109 25	40	B	30	AC	Right	6000A



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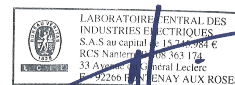
references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1705	0.5	B	300	AC	Right	6000A
LG4435	1	B	300	AC	Right	6000A
LG1706	2	B	300	AC	Right	6000A
LG1707	3	B	300	AC	Right	6000A
LG1708	4	B	300	AC	Right	6000A
LG1709	6	B	300	AC	Right	6000A
LG1710	10	B	300	AC	Right	6000A
LG1711	13	B	300	AC	Right	6000A
LG1712	16	B	300	AC	Right	6000A
LG1713	20	B	300	AC	Right	6000A
LG1714	25	B	300	AC	Right	6000A
LG1715	32	B	300	AC	Right	6000A
LG1716	40	B	300	AC	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1700	2	B	10	AC	Right	6000A
LG4429	3	B	10	AC	Right	6000A
LG4430	4	B	10	AC	Right	6000A
LG4431	6	B	10	AC	Right	6000A
LG4432	10	B	10	AC	Right	6000A
LG4433	13	B	10	AC	Right	6000A
4109 07	16	B	10	AC	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1718	0.5	B	30	A	Right	6000A
LG4441	1	B	30	A	Right	6000A
LG1719	2	B	30	A	Right	6000A
LG1720	3	B	30	A	Right	6000A
LG1721	4	B	30	A	Right	6000A
4109 62	6	B	30	A	Right	6000A
4109 63	10	B	30	A	Right	6000A
4109 64	13	B	30	A	Right	6000A
4109 65	16	B	30	A	Right	6000A
4109 66	20	B	30	A	Right	6000A
4109 67	25	B	30	A	Right	6000A
4109 68	32	B	30	A	Right	6000A
4109 69	40	B	30	A	Right	6000A



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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1722	0.5	B	300	A	Right	6000A
LG4442	1	B	300	A	Right	6000A
LG4443	2	B	300	A	Right	6000A
LG4444	3	B	300	A	Right	6000A
LG4445	4	B	300	A	Right	6000A
LG4446	6	B	300	A	Right	6000A
LG1723	10	B	300	A	Right	6000A
LG4447	13	B	300	A	Right	6000A
LG1724	16	B	300	A	Right	6000A
LG1725	20	B	300	A	Right	6000A
LG4448	25	B	300	A	Right	6000A
LG4449	32	B	300	A	Right	6000A
LG1726	40	B	300	A	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG1717	2	B	10	A	Right	6000A
LG4436	3	B	10	A	Right	6000A
LG4437	4	B	10	A	Right	6000A
LG4438	6	B	10	A	Right	6000A
LG4439	10	B	10	A	Right	6000A
LG4440	13	B	10	A	Right	6000A
4109 47	16	B	10	A	Right	6000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG7075	0.5	B	30	A*	Right	6000A
LG7076	1	B	30	A*	Right	6000A
LG7077	2	B	30	A*	Right	6000A
LG7078	3	B	30	A*	Right	6000A
LG7079	4	B	30	A*	Right	6000A
LG7080	6	B	30	A*	Right	6000A
LG7081	10	B	30	A*	Right	6000A
LG7082	13	B	30	A*	Right	6000A
LG7083	16	B	30	A*	Right	6000A
LG7084	20	B	30	A*	Right	6000A
LG7085	25	B	30	A*	Right	6000A
LG7086	32	B	30	A*	Right	6000A
LG7087	40	B	30	A*	Right	6000A



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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	IΔn (mA)	Type	Neutral	Icn
LG4501	0.5	C	30	AC	Right	10000A
LG4502	1	C	30	AC	Right	10000A
LG4503	2	C	30	AC	Right	10000A
LG4504	3	C	30	AC	Right	10000A
LG4505	4	C	30	AC	Right	10000A
4109 77	6	C	30	AC	Right	10000A
4109 78	10	C	30	AC	Right	10000A
LG4506	13	C	30	AC	Right	10000A
4109 79	16	C	30	AC	Right	10000A
4109 80	20	C	30	AC	Right	10000A
4109 81	25	C	30	AC	Right	10000A
4109 82	32	C	30	AC	Right	10000A
4109 83	40	C	30	AC	Right	10000A

references	In (A)	Instantaneous tripping current	IΔn (mA)	Type	Neutral	Icn
LG4507	0.5	C	30	A	Right	10000A
LG4508	1	C	30	A	Right	10000A
LG4509	2	C	30	A	Right	10000A
LG4510	3	C	30	A	Right	10000A
LG4511	4	C	30	A	Right	10000A
4112 93	6	C	30	A	Right	10000A
4112 94	10	C	30	A	Right	10000A
4112 95	13	C	30	A	Right	10000A
4112 96	16	C	30	A	Right	10000A
4112 97	20	C	30	A	Right	10000A
4112 98	25	C	30	A	Right	10000A
4112 99	32	C	30	A	Right	10000A
4113 00	40	C	30	A	Right	10000A



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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG7088	0.5	C	30	A*	Right	10000A
LG7089	1	C	30	A*	Right	10000A
LG7090	2	C	30	A*	Right	10000A
LG7091	3	C	30	A*	Right	10000A
LG7092	4	C	30	A*	Right	10000A
LG7093	6	C	30	A*	Right	10000A
LG7094	10	C	30	A*	Right	10000A
LG7095	13	C	30	A*	Right	10000A
LG7096	16	C	30	A*	Right	10000A
LG7097	20	C	30	A*	Right	10000A
LG7098	25	C	30	A*	Right	10000A
LG7099	32	C	30	A*	Right	10000A
LG7100	40	C	30	A*	Right	10000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG4517	0.5	B	30	AC	Right	10000A
LG4518	1	B	30	AC	Right	10000A
LG4519	2	B	30	AC	Right	10000A
LG4520	3	B	30	AC	Right	10000A
LG4521	4	B	30	AC	Right	10000A
4109 70	6	B	30	AC	Right	10000A
4109 71	10	B	30	AC	Right	10000A
LG4522	13	B	30	AC	Right	10000A
4109 72	16	B	30	AC	Right	10000A
4109 73	20	B	30	AC	Right	10000A
4109 74	25	B	30	AC	Right	10000A
4109 75	32	B	30	AC	Right	10000A
4109 76	40	B	30	AC	Right	10000A



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LABORATOIRE CENTRAL DES  
 INDUSTRIES ELECTRIQUES  
 S.A.S au capital de 15 000 000 €  
 RCS Nanterre 488 963 176  
 33 Avenue du Général Leclerc  
 92266 FONTENAY AUX ROSES

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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG4523	0.5	B	30	A	Right	10000A
LG4524	1	B	30	A	Right	10000A
LG4525	2	B	30	A	Right	10000A
LG4526	3	B	30	A	Right	10000A
LG4527	4	B	30	A	Right	10000A
4112 85	6	B	30	A	Right	10000A
4112 86	10	B	30	A	Right	10000A
4112 87	13	B	30	A	Right	10000A
4112 88	16	B	30	A	Right	10000A
4112 89	20	B	30	A	Right	10000A
4112 90	25	B	30	A	Right	10000A
4112 91	32	B	30	A	Right	10000A
4112 92	40	B	30	A	Right	10000A

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG7101	0.5	B	30	A*	Right	10000A
LG7102	1	B	30	A*	Right	10000A
LG7103	2	B	30	A*	Right	10000A
LG7104	3	B	30	A*	Right	10000A
LG7105	4	B	30	A*	Right	10000A
LG7106	6	B	30	A*	Right	10000A
LG7107	10	B	30	A*	Right	10000A
LG7108	13	B	30	A*	Right	10000A
LG7109	16	B	30	A*	Right	10000A
LG7110	20	B	30	A*	Right	10000A
LG7111	25	B	30	A*	Right	10000A
LG7112	32	B	30	A*	Right	10000A
LG7113	40	B	30	A*	Right	10000A



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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	IΔn (mA)	Type	Neutral	Icn
LG4468	0.5	C	30	AC	Right	4500A
LG4469	1	C	30	AC	Right	4500A
LG4470	2	C	30	AC	Right	4500A
LG4471	3	C	30	AC	Right	4500A
LG4472	4	C	30	AC	Right	4500A
LG4473	6	C	30	AC	Right	4500A
LG4474	10	C	30	AC	Right	4500A
LG4475	13	C	30	AC	Right	4500A
LG4476	16	C	30	AC	Right	4500A
LG4477	20	C	30	AC	Right	4500A
LG4478	25	C	30	AC	Right	4500A
LG4479	32	C	30	AC	Right	4500A
LG4480	40	C	30	AC	Right	4500A

references	In (A)	Instantaneous tripping current	IΔn (mA)	Type	Neutral	Icn
LG4488	0.5	C	30	A	Right	4500A
LG4489	1	C	30	A	Right	4500A
LG4490	2	C	30	A	Right	4500A
LG4491	3	C	30	A	Right	4500A
LG4492	4	C	30	A	Right	4500A
LG4493	6	C	30	A	Right	4500A
LG4494	10	C	30	A	Right	4500A
LG4495	13	C	30	A	Right	4500A
LG4496	16	C	30	A	Right	4500A
LG4497	20	C	30	A	Right	4500A
LG4498	25	C	30	A	Right	4500A
LG4499	32	C	30	A	Right	4500A
LG4500	40	C	30	A	Right	4500A

references	In (A)	Instantaneous tripping current	IΔn (mA)	Type	Neutral	Icn
LG4461	2	C	10	AC	Right	4500A
LG4462	3	C	10	AC	Right	4500A
LG4463	4	C	10	AC	Right	4500A
LG4464	6	C	10	AC	Right	4500A
LG4465	10	C	10	AC	Right	4500A
LG4466	13	C	10	AC	Right	4500A
LG4467	16	C	10	AC	Right	4500A



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## ANNEX (continued)

references	In (A)	Instantaneous tripping current	I $\Delta$ n (mA)	Type	Neutral	Icn
LG4481	2	C	10	A	Right	4500A
LG4482	3	C	10	A	Right	4500A
LG4483	4	C	10	A	Right	4500A
LG4484	6	C	10	A	Right	4500A
LG4485	10	C	10	A	Right	4500A
LG4486	13	C	10	A	Right	4500A
LG4487	16	C	10	A	Right	4500A

Independant of line voltage	yes
Rated voltage Ue : (V)	230 V~
Rated current In : (A)	See above table
Rated frequency : (Hz)	50
Rated residual operating current Idn : (A)	See above table
Type :	See above table
Temporisation :	without
Nature of supply :	~
Total number of poles :	2
Number of protected poles :	1 (neutral on right)
Rated insulation voltage Ui : (V)	250
Rated impulse withstand voltage Uimp : (V)	4000
Instantaneous tripping current :	See above table
Reference ambient air temperature : (°C)	30
Utilisation range temperature : (°C)	-25°C à/to +40°C
Rated short-circuit capacity Icn : (A)	See above table
Rated residual making and breaking capacity I $\Delta$ m: (A)	4500
Energy limiting class (I <sup>2</sup> t) :	3 (according to EN 61009-1)
Grid distance (short-circuit tests) :	35 mm
Protection against external influences :	enclosed
Protection degree :	IP20
Material group:	II
Method of mounting :	Panel board – on rail
Method of electrical connection	
not associated with the mechanical-mounting	
Type of terminals :	Pillar terminal
Nominal diameter of thread : (mm)	4.9
Operating means	Lever



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 33, avenue du Général Leclerc – BP8  
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[www.lcie.fr](http://www.lcie.fr)



Signature: **Gilles LEMONNIER**  
 Certification Officer

Date: 15/06/2017