

CERTIFICATE

KEMA No.: 97.4621.01

Issued to:

Applicant:

Legrand Nederland B.V.

Boseind 14

BOXTEL, the Netherlands

Manufacturer/Licensee:

Legrand

128 Av. du Marechal de L. de T.

LIMOGES, France

Product : residual current operated circuit-breakers (rccb)

Trade name(s) : LEGRAND

Type(s)/model(s) : 089 .., 091 ..

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

KEMA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61008-1/EN 61008-2-1:1991
- an inspection of the production location according to CCA Group Operational Document CCA 204
- a certification agreement with the number 900095

KEMA hereby grants the right to use the KEMA certification mark



The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: February 11, 1998

C.M. Boschloo
Certification Manager

◊ Integral publication of this certificate is allowed

N.V. KEMA

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ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

product	:	residual current operated circuit breakers (rccb)
trade name(s)	:	LEGRAND
type(s)	:	089 ..., 091 ...
design	:	without intergral overcurrent protection, functional
design	:	independent of the line voltage
rated current (In)	:	25 A up to and including 80 A
rated residual current	:	30 mA, 100 mA, 300 mA and 500 mA
rated operational voltage(Ue) / number of poles	:	400 Vac / 4-poles
behaviour to d.c. components	:	- type A and AC - type S(time delay)
temperature limit	:	for ambient temperatures of - 25 °C to + 40 ° C
rated making and breaking capacity (Im)	:	500 A, 630 A or 800 A
rated residual making and breaking capacity (IΔm)	:	1500 A
rated conditional short-circuit capacity (Inc)	:	6 kA
rated conditional residual short-circuit current (IΔc)	:	6 kA
safety distance("a",grid)	:	35 mm
non-tripping capability due to impulse currents	:	200 A - 0,5/10 μs
method of mounting	:	flush-type, for mounting on top hat rail 35 mm
degree of protection against moisture	:	ordinary

Additional information

type reference list:

type	In	I c	Im	I m	Inc IΔc	behaviour to dc components
	A	mA	kA	kA	kA	
089 93	25	30	0,5	1,5	6,0	AC
089 94	40	30	0,5	1,5	6,0	AC
089 95	63	30	0,63	1,5	6,0	AC
089 96	80	30	0,8	1,5	6,0	AC
089 99	25	100	0,5	1,5	6,0	AC
090 00	40	100	0,5	1,5	6,0	AC
090 01	63	100	0,63	1,5	6,0	AC
090 02	80	100	0,8	1,5	6,0	AC
090 11	25	300	0,5	1,5	6,0	AC
090 12	40	300	0,5	1,5	6,0	AC
090 13	63	300	0,63	1,5	6,0	AC
090 14	80	300	0,8	1,5	6,0	AC
090 23	25	500	0,5	1,5	6,0	AC
090 24	40	500	0,5	1,5	6,0	AC
090 25	63	500	0,63	1,5	6,0	AC
090 26	80	500	0,8	1,5	6,0	AC

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type	In	I c	I m	I m	I n c I Δ c	behaviour to dc components
	A	mA	kA	kA	kA	
091 40	25	30	0,5	1,5	6,0	A
091 41	40	30	0,5	1,5	6,0	A
091 42	63	30	0,63	1,5	6,0	A
091 43	80	30	0,8	1,5	6,0	A
091 58	25	300	0,5	1,5	6,0	A
091 59	40	300	0,5	1,5	6,0	A
091 60	63	300	0,63	1,5	6,0	A
091 61	80	300	0,8	1,5	6,0	A
091 65	40	300	0,5	1,5	6,0	A+S
091 66	63	300	0,63	1,5	6,0	A+S
091 67	80	300	0,8	1,5	6,0	A+S
091 70	25	500	0,5	1,5	6,0	A
091 71	40	500	0,5	1,5	6,0	A
091 72	63	500	0,63	1,5	6,0	A
091 73	80	500	0,8	1,5	6,0	A

Markings: tradename, type designation and the complete electrical ratings are shown on the body.

TESTS

Test requirements

EN 61008-1 / EN 61008-2-1:1994

Test results

The test results are laid down in KEMA test file 97.621.01.

Remarks

This certificate is also based on CCA certificates FR3360, FR 3415 and FR 3316

Conclusion

The examination proved that all test requirements were met.

Tested by : M.T.H. van Gemen

Checked by : T.J. Dukers

FACTORY-LOCATION(S)

P. Hoogerdijk

Baco S.A., Constructions Electriques
290, Route de Colmar, STRASBOURG C, France

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