Test Verification of Conformity

Verification Number: 2401B0836SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant CE mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Zhejiang Chint Electrics Co., Ltd. No.1,Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang Province, P.R.China. 325603
Manufacturing site Name & Address:	Zhejiang Chint Electrics Co., Ltd. No.1,Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang Province, P.R.China. 325603
Product Description:	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)
Ratings & Principle Characteristics:	See page 2
Models/Type References:	NB1L-63
Brand Name(s):	CHINT
Standard(s)/Directive(s):	EN 61009-1:2012+A1:2014+A2:2014+A11:2015+A12:2016+A13:2021 EN61009-2-1:1994+A11:1998 Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2020-03-30 to 2020-06-30 2024-01-12 to 2024-03-22
Test Report Number(s):	2401B0836SHA-001

Signature

Name: Oliver Wei
Position: Manager
Date: 26 March 2024

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number 2401B0836SHA-V1.

Rating and principal characteristics:
Un=220/230/240V~(1P+N, 2P), 380/400/415V~(3P, 3P+N, 4P); 50Hz; Neutral pole is uninterrupted
In=50, 63A; B- & C-type
Icn=Ics=6000A; IΔm=6000A
Ui=500V
General type:
IΔn=30mA, 100mA, 300mA, Type-A &-AC

S type(with time-delay)
IΔn=300mA for 3P+N, 4P with Type-A(S) &-AC(S)

With manufacturer code Si:
IΔn=30mA for 3P+N, 4P with Type-A(Si) &-AC(Si)

Note:
-The products have Si Type defined by the manufacturer with the additional requirement of the operating characteristics under residual current conditions, limiting values of residual current conditions are list in the table as below:

		Limiting values of break time and non-actuating time (s) for type AC(Si) and A(Si) RCBOs in event of alternating residual currents (r.m.s. values) equal to						
Type	IΔn A	IΔn	2 IΔn	5 IΔn	5 IΔn or 0,25A[a]	5A-200A, 500A[b]	$I_{\Delta t}$[c]	--
A(Si) AC(Si)	0,03	0,3	0,15	--	0,04	0,04	0,04	Maximum break times
		0,01	0,01	--	0,01	--	--	Minimum non-actuating times

a) Value to be decided by the manufacturer for this test.
b) The tests are only made during the verification of the correct operation as mentioned in 9.9.12 d) but in any case values exceeding the lower limit of the overcurrent instantaneous tripping range are not tested.
c) The test is made with a current $I_{\Delta t}$ equal to the lower limit of the overcurrent instantaneous tripping range according to type B, C or D, as applicable. For the tests of 9.9.1.3 and 9.9.1.4 b), the current $I_{\Delta t}$ is established so that the vector sum $I_{\Delta t}$+In is equal to the lower limit of the overcurrent instantaneous tripping range, according to type B, C or D, as applicable.

Signature

Name: Oliver Wei
Position: Manager
Date: 26 March 2024