



CB TEST CERTIFICATE

Ref. Certificate No.

NL-36229

IEC SYSTEM OF CONFORMITY ASSESSMENT SCHEMES FOR ELECTROTECHNICAL EQUIPMENT AND COMPONENTS (IECEE) CB SCHEME

Issued by:	DEKRA Certification B.V.		
Product:	Moulded-Case Circuit Breaker		
Applicant:	LSIS Co., Ltd	127, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do	Korea, Republic of
Manufacturer:	LSIS Co., Ltd	127, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do	Korea, Republic of
Factory:	LSIS Co., Ltd. Cheongju Plant	95, Baekbong-ro, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do	Korea, Republic of
Rating and principal characteristics:	<p>Ue: 220 / 240 / 250 / 415 / 440 / 460 Vac, 50 / 60 Hz , Ui: 750 Vac, Uimp: 8 kV, In: 100 A, 125 A, 150 A, 175 A, 200 A, 225 A, 250 A, for fixed overload release, In: 100 A, 125 A, 160 A, 200 A, 250 A, for adjustable overload release, 2P, 3P and 4P (unprotected N pole) for fixed overload release, 3P and 4P (unprotected N pole) for adjustable overload release</p> <p>Icu: 100 kA at 250 Vac, 50 kA at 460 Vac for ABH series 85 kA at 250 Vac, 42 kA at 460 Vac for ABP series 85 kA at 250 Vac, 37 kA at 460 Vac for ABSxxxx series 65 kA at 250 Vac, 26 kA at 460 Vac for ABN and ABSxxxxe series Ics = 100% Icu See annex for further ratings</p>		
Trade mark (if any):	LS		
Model/Type reference:	ABH202c, ABH203c, ABH204c, ABP202c, ABP203c, ABP204c, ABS202c, ABS203c, ABS204c, ABS203e, ABS204e, ABN202c, ABN203c, ABN204c		
Additional information:	This certificate is also based on and replaces certificate no. NL-31863 issued on 2014-07-17.		
Sample of product tested to be in conformity with IEC:	60947-2(ed.4);am1;am2		
Test Report Ref. No:	3307650.50, 3306470.50, 2109959.52 and 2116563.54/55		

This CB Test Certificate is issued by the National Certification Body:

DEKRA Certification B.V.
Meander 1051, 6825 MJ
Arnhem
The Netherlands



Signed by: F.S.Strikwerda

Date of issue: 2015-05-28

Ratings:

number of poles	:	2P, 3P and 4P (unprotected N pole) for fixed overload release 3P and 4P (unprotected N pole) for adjustable overload release 2P with type references '202' 3P with type references '203' 4P (unprotected N pole) with type references '204'
protected pole	:	2 or 3
rated operational voltage (Ue)	:	220 / 240 / 250 / 415 / 440 / 460 Vac
rated insulation voltage (Ui)	:	750 Vac
rated impulse withstand voltage (Uimp)	:	8 kV
rated current (In)	:	100 A, 125 A, 150 A, 175 A, 200 A, 225 A, 250 A for fixed overload release, 100 A, 125 A, 160 A, 200 A, 250 A for adjustable overload release
rated operational current (Ie)	:	Equal to In for fixed overload release, Equal to 0,7 In - 1,0 In for adjustable overload release
conventional thermal current (Ith)	:	Equal to In
current rating for four-pole circuit-breakers	:	Equal to In
rated frequency	:	50 / 60 Hz
rated ultimate short-circuit breaking capacity (Icu)	:	100 kA at 220 / 240 / 250 Vac, 50 kA at 415 / 440 / 460 Vac for ABH series 85 kA at 220 / 240 / 250 Vac, 42 kA at 415 / 440 / 460 Vac for ABP series 85 kA at 220 / 240 / 250 Vac, 37 kA at 415 / 440 / 460 Vac for ABS202c/203c/204c series 65 kA at 220 / 240 / 250 Vac, 26 kA at 415 / 440 / 460 Vac for ABN and ABS203e/204e series
rated service short-circuit breaking capacity (Ics)	:	Ics = 100% Icu
suitable for isolation	:	Suitable
utilization category	:	A
safety distance (screen-circuit breaker)	:	Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 100 mm
instantaneous release	:	Magnetic type, fixed, 2 poles in series: $I_i = 12 I_n$ single pole: $15 I_n$
time setting of the instantaneous release	:	Fixed
inverse time delay release	:	Thermal type, For fixed overload release: fixed For adjustable overload release: $I_r: 0,7 I_n, 0,85 I_n, 1,0 I_n$
time setting of the inverse time delay release	:	Fixed
method of mounting	:	Fixed
EMC environment	:	A and B
circuit-breaker for use on phase-earthed systems	:	N/A
circuit-breaker for use in IT systems	:	Yes, 4500 A at 460 Vac
line/load terminal connection	:	Marked Copper conductor with cable lug