



CB TEST CERTIFICATE

Ref. Certificate No.

NL-31800

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:	Ue: 220 / 240 / 250 / 415 / 440 / 460 Vac, Ui: 750 Vac, Uimp: 8 kV, In: 250 A, 300 A, 350 A, 400 A, 50 / 60 Hz 2P, 3P and 4P (unprotected N pole) Icu: 125 kA at 220/240/250 Vac, 85 kA at 415/440/460 Vac for ABL series 85 kA at 220/240/250 Vac, 65 kA at 415/440/460 Vac for ABH series 75 kA at 220/240/250 Vac, 50 kA at 415/440/460 Vac for ABS series 50 kA at 220/240/250 Vac, 37 kA at 415/440/460 Vac for ABN series Ics = 75% Icu for ABL series Ics = 100% Icu for ABH, ABS and ABN series See annex for further ratings		
Trade mark (if any):	LS		
Model/Type reference:	ABL402c, ABL403c, ABL404c, ABH402c, ABH403c, ABH404c, ABS402c, ABS403c, ABS404c, ABN402c, ABN403c, ABN404c		
Additional information:	This certificate is also based on and replaces certificate no. NL-16682/M2 issued on 2011-05-24.		
Sample of product tested to be in conformity with IEC:	60947-2(ed.4);am1;am2		
Test Report Ref. No:	3306471.50 and 2126589.50/51/52		

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: 2014-07-17



Ratings:

number of poles	:	2P, 3P and 4P (unprotected N pole)
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)	:	250 A, 300 A, 350 A, 400 A
rated operational current (Ie)	:	Equal to In
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)	:	125 kA at 220 / 240 / 250 Vac, 85 kA at 415 / 440 / 460 Vac, for ABL series 85 kA at 220 / 240 / 250 Vac, 65 kA at 415 / 440 / 460 Vac for ABH series 75 kA at 220 / 240 / 250 Vac, 50 kA at 415 / 440 / 460 Vac for ABS series 50 kA at 220 / 240 / 250 Vac, 37 kA at 415 / 440 / 460 Vac for ABN series
rated service short-circuit breaking capacity (Ics)	:	Ics = 75% Icu for ABL series Ics = 100% Icu for ABH, ABS and ABN series
suitable for isolation	:	Suitable
utilization category	:	A
safety distance (screen-circuit breaker)	:	2P and 3P: Front / Back: 0 mm, Left / Right: 80 mm, Up / Down: 100 mm 4P: Front / Back: 0 mm, Left / Right: 77,5 mm, Up / Down: 100 mm
instantaneous release	:	Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $13 I_n$
time setting of the instantaneous release	:	Fixed
inverse time delay release	:	Thermal type, fixed
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, 5760 A at 460 Vac
line/load terminal	:	Marked
connection	:	Copper conductor with cable lug

