



CB TEST CERTIFICATE

Ref. Certificate No.

NL-31652/A1

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

Issued by:	DEKRA Certification B.V.		
Product:	Magnetic contactor, Thermal overload relay, auxiliaries		
Applicant:	LSIS CO. Ltd.	LS Tower, 127, LS-ro, Dongan-gu, Anyang-si, Gyeonggi -Do, 431-848	Korea, Republic of
Manufacturer:	LSIS CO. Ltd.	LS Tower, 127, LS-ro, Dongan-gu, Anyang-si, Gyeonggi -Do, 431-848	Korea, Republic of
Factory:	LSIS CO. Ltd.	95, Baek Bong-Ro, Heung Duk- Gu, Cheong Ju-Si, Chung Cheong Buk-Do, 361-720	Korea, Republic of
Rating and principal characteristics:	Magnetic contactor: Ue up to 690 Vac; Ith 25 A up to 900 A, Ie (AC-3) up to 800 A (440 Vac) (AC-4) up to 630 A (440 Vac) 3 pole or 4 pole; Ui up to 1000 V; Uimp up to 8 kV; 50/60 Hz Thermal Overload relay: Ue up to 690 Vac; Ie up to 800 A 3 pole; Ui 690 V; Uimp 6 kV Interlock unit: UR-02 Auxiliary contact AC-15; DC-13 120 V up to 600 V; up to 6 A See annex for further ratings		
Trade mark (if any):	LS		
Model/Type reference:	MC-...a; MC-...a/4; MT.../2H; MT.../3H; MT.../3K; MT.../3D; UR-02; UA-1		
Additional information:			
Sample of product tested to be in conformity with IEC:	60947-4-1(ed.3) 60947-5-1(ed.3);am1		
Test Report Ref. No:	2163435.50 up to -65; 2163435.70 up to -77 and 2163435.90		

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

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

Signed by: H.L. Schendstok

Date of issue: 2014-06-26



Additional information:

Product:	Magnetic contactor
Type(s)	3 pole MC-6a, MC-9a, MC-12a, MC-18a, MC-9b, MC-12b, MC-18b, MC-22b, MC-32a, MC-40a, MC-50a, MC-65a, MC-75a, MC-85a, MC-100a, MC-130a, MC-150a, MC-185a, MC-225a, MC-265a, MC-330a, MC-400a, MC-500a, MC-630a, MC-800a 4 pole MC-6a/4, MC-9a/4, MC-12a/4, MC-18a/4, MC-22a/4, MC-32a/4, MC-40a/4, MC-50a/4, MC-65a/4, MC-75a/4, MC-85a/4, MC-100a/4, MC-130a/4, MC-150a/4, MC-185a/4, MC-225a/4, MC-265a/4, MC-330a/4, MC-400a/4, MC-500a/4, MC-630a/4, MC-800a/4
Ue	Up to 690 Vac
Ith	25 A up to 900 A
Ie (AC-3)	Up to 800 A (440 Vac)
Ie (AC-4)	Up to 630 A (440 Vac)
Number of poles	3 pole or 4 pole
Ui	Up to 1000 Vac
Uimp	Up to 8 kV
Rated frequency	50/60 Hz
Product:	Thermal overload relay
Type(s)	MT-12/2H, MT-12/3H, MT-12/3K, MT-12/3D MT-32/2H, MT-32/3H, MT-32/3K, MT-32/3D MT-63/2H, MT-63/3H, MT-63/3K, MT-63/3D MT-95/2H, MT-95/3H, MT-95/3K, MT-95/3D MT-150/2H, MT-150/3H, MT-150/3K, MT-150/3D MT-225/2H, MT-225/3H, MT-255/3K, MT-225/3D MT-400/2H, MT-400/3H, MT-400/3K, MT-400/3D MT-800/2H, MT-800/3H, MT-800/3K, MT-800/3D
Ue	Up to 690 Vac
Ie	Up to 800 A
Number of poles	3 pole
Ui	Up to 690 Vac
Uimp	Up to 6 kV
Rated frequency	50/60 Hz

Utilization categories:

MC-6a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	25 A	9 A	9 A	7 A
380~440	25 A	7 A	7 A	5 A
500~550	-	6 A	6 A	-
690	-	4 A	4 A	-

MC-9a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	25 A	11 A	11 A	8 A
380~440	25 A	9 A	9 A	6 A
500~550	-	7 A	7 A	-
690	-	5 A	5 A	-

MC-12a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	25 A	13 A	13 A	11 A
380~440	25 A	12 A	12 A	9 A
500~550	-	12 A	12 A	-
690	-	9 A	9 A	-

MC-18a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	32 A	18 A	18 A	16 A
380~440	32 A	18 A	18 A	11 A
500~550	-	13 A	13 A	-
690	-	9 A	9 A	-

MC-9b				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	25A	11A	11A	8A
380~440	25A	9A	9A	6A
500~550	-	7A	7A	-
690	-	6A	6A	-

MC-12b				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	27A	13A	13A	11A
380~440	27A	12A	12A	9A
500~550	-	12A	12A	-
690	-	9A	9A	-

MC-18b				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	32A	18A	18A	16A
380~440	32A	18A	18A	11A
500~550	-	13A	13A	-
690	-	9A	9A	-

MC-22b				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	45A	22A	22A	18A
380~440	45A	22A	22A	13A
500~550	-	20A	20A	-
690	-	18A	18A	-

MC-32a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	55A	32A	32A	20A
380~440	55A	32A	32A	17A
500~550	-	28A	28A	-
690	-	20A	20A	-

MC-40a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	60	40	40	25
380~440	60	40	40	24
500~550	-	32	32	-
690	-	23	23	-

MC-50a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	100A	55A	55A	35A
380~440	100A	50A	50A	32A
500~550	-	43A	43A	-
690	-	28A	28A	-

MC-65a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	115A	65A	65A	50A
380~440	115A	65A	65A	47A
500~550	-	60A	60A	-
690	-	35A	35A	-

MC-75a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	125A	75A	75A	55A
380~440	125A	75A	75A	52A
500~550	-	64A	64A	-
690	-	42A	42A	-

MC-85a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	135A	85A	85A	65A
380~440	135A	85A	85A	62A
500~550	-	75A	75A	-
690	-	45A	45A	-

MC-100a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	160A	105A	105A	80A
380~440	160A	105A	105A	75A
500~550	-	85A	85A	-
690	-	65A	65A	-

MC-130a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	160A	130A	130A	93A
380~440	160A	130A	130A	90A
500~550	-	-	-	-
690	-	-	-	-

MC-150a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	210A	150A	150A	120A
380~440	210A	150A	150A	110A
500~550	-	-	-	-
690	-	-	-	-

MC-185a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	230A	185A	185A	150A
380~440	230A	185A	185A	150A
500~550	-	180A	180A	-
690	-	120A	120A	-

MC-225a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	275A	225A	225A	180A
380~440	275A	225A	225A	180A
500~550	-	200A	200A	-
690	-	150A	150A	-

MC-265a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	300 A	265 A	265 A	200 A
380~440	300 A	265 A	265 A	200 A
500~550	-	225 A	225 A	-
690	-	-	-	-

MC-330a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	350 A	330 A	330 A	220 A
380~440	350 A	330 A	330 A	220 A
500~550	-	280 A	280 A	-
690	-	-	-	-

MC-400a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	450 A	400 A	400 A	300 A
380~440	450 A	400 A	400 A	300 A
500~550	-	350 A	350 A	-
690	-	-	-	-

MC-500a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	580A	500A	500A	350A
380~440	580A	500A	500A	350A
500~550	-	400A	400A	-
690	-	380A	380A	-

MC-630a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	660A	630A	630A	400A
380~440	660A	630A	630A	400A
500~550	-	500A	500A	-
690	-	420A	420A	-

MC-800a				
Rated Operational Voltage(Vac)	AC1	AC2	AC3	AC4
200~240	900A	800A	800A	630A
380~440	900A	800A	800A	630A
500~550	-	720A	720A	-
690	-	630A	630A	-

Rating		MC -6a/4	MC -9a/4	MC -12a/4	MC -18a/4	MC-22a/4
Ith		25 A	25 A	25 A	40 A	40 A
Rated Operational Current (AC-1)	200 V~240 V	25 A	25 A	25 A	40 A	40 A
	380 V~440 V	25 A	25 A	25 A	40 A	40 A
	500 V~550 V	25 A	25 A	25 A	40 A	40 A
	690 V	25 A	25 A	25 A	40 A	40 A

Rating		MC-32a/4	MC-40a/4	MC -50a/4	MC -65a/4	MC -75a/4
Ith		50 A	60 A	80 A	100 A	110 A
Rated Operational Current (AC-1)	200 V~240 V	50 A	60 A	80 A	100 A	110 A
	380 V~440 V	50 A	60 A	80 A	100 A	110 A
	500 V~550 V	50 A	60 A	80 A	100 A	110 A
	690 V	50 A	60 A	80 A	100 A	110 A

Rating		MC -85a/4	MC-100a/4	MC-130a/4	MC-150a/4	MC-185a/4
Ith		135 A	160 A	165 A	250 A	300 A
Rated Operational Current (AC-1)	200 V~240 V	135 A	160 A	165 A	250 A	300 A
	380 V~440 V	135 A	160 A	165 A	250 A	300 A
	500 V~550 V	135 A	160 A	165 A	250 A	300 A
	690 V	135 A	160 A	165 A	250 A	300 A

Rating		MC-225a/4	MC-265a/4	MC-330a/4	MC-400a/4	MC-500a/4
Ith		330 A	360 A	420 A	500 A	630 A
Rated Operational Current (AC-1)	200 V~240 V	330 A	360 A	420 A	500 A	630 A
	380 V~440 V	330 A	360 A	420 A	500 A	630 A
	500 V~550 V	330 A	360 A	420 A	500 A	630 A
	690 V	330 A	360 A	420 A	500 A	630 A

Rating		MC-630a/4	MC-800a/4
I _{th}		750 A	900 A
Rated Operational Current (AC-1)	200 V~240 V	750 A	900 A
	380 V~440 V	750 A	900 A
	500 V~550 V	750 A	900 A
	690 V	750 A	900 A

Auxiliary contact:

MC-6a, MC-9a, MC-12a, MC-18a		
AC15 A600	120V	6A
	240V	3A
	380V	1.9A
	480V	1.5A
	500V	1.4A
	600V	1.2A
DC13 P600	125V	1.1A
	250V	0.55A
	400V	0.31A
	500V	0.27A
	600V	0.2A