



# NIPPON KAIJI KYOKAI

Certificate No.  
TA11279M

## *Certificate of Type Test*

MANUFACTURER: LSIS Co., Ltd., Cheongju, Korea.  
PRODUCT: A. C. Electromagnetic Contactor and Thermal Overload Relay  
TYPE NO.: See attached sheet  
TYPE TEST NO.: 10T413  
PARTICULARS: See attached sheet  
STANDARD: IEC 60947-4-1  
DOCUMENTATION: R410-2028, R410-2029, R410-2030, R410-2031, R410-2032, R410-2033,  
R410-2034, R410-2035, R410-2036, R410-2037, R410-2038, R410-2039,  
R410-2040, R410-2041, R410-2042, R410-2043, R410-2044

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 20 October 2015.

Issued at Tokyo on 20 June 2011.

T. Narisawa  
General Manager  
Machinery Department

NIPPON KAIJI KYOKAI

Attached sheet to Cert. No. TAI1279M

A. C. Electromagnetic Contactor:

TYPE NO.	Rated Insulation Voltage [V]	Rated Thermal Current [A]	Rated Operational Voltage [V]	Rated Operational Current [A]	Utilization Category
MC-6a MC-9a MC-12a MC-18a	a.c.690	25	200-240	25, 9, 9, 7	AC-1, AC-2, AC-3, AC-4
				25, 11, 11, 8	
				25, 13, 13, 11	
				32, 18, 18, 16	
			380-440	25, 7, 7, 5	
				25, 9, 9, 6	
				25, 12, 12, 9	
				32, 18, 18, 11	
		500-550	6, 6	AC-2, AC-3	
			7, 7		
			12, 12		
			13, 13		
		690	4, 4		
			5, 5		
			9, 9		
			9, 9		
MC-9b MC-12b MC-18b MC-22b	a.c.690	25	200-240	25, 11, 11, 8	AC-1, AC-2, AC-3, AC-4
				25, 13, 13, 11	
				40, 18, 18, 16	
				40, 22, 22, 18	
			380-440	25, 9, 9, 6	
				25, 12, 12, 9	
				40, 18, 18, 11	
				40, 22, 22, 13	
		500-550	7, 7	AC-2, AC-3	
			12, 12		
			13, 13		
			18, 18		
		690	6, 6		
			9, 9		
			9, 9		
			15, 15		
MC-32a MC-40a	a.c.1000	50	200-240	50, 32, 32, 20	AC-1, AC-2, AC-3, AC-4
				60, 40, 40, 25	
			380-440	50, 32, 32, 17	
				60, 40, 40, 24	
		60	500-550	28, 28	AC-2, AC-3
				32, 32	
			690	20, 20	
				-	
MC-50a MC-65a	a.c.1000	70	200-240	70, 55, 55, 35	AC-1, AC-2 AC-3, AC-4
				100, 65, 65, 50	
			380-440	70, 50, 50, 32	
				100, 65, 65, 47	
		100	500-550	43, 43	AC-2, AC-3
				60, 60	
			690	28, 28	
				-	

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A. C. Electromagnetic Contactor:

MC-75a MC-85a MC-100a	a.c.1000	110 135 160	200-240	110, 75, 75, 55	AC-1, AC-2 AC-3, AC-4
				135, 85, 85, 65	
				160, 105, 105, 80	
			380-440	110, 75, 75, 52	
				135, 85, 85, 62	
				160, 105, 105, 75	
		500-550	64, 64	AC-2, AC-3	
			75, 75		
			85, 85		
		690	42, 42		
45, 45					
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MC-130a MC-150a	a.c.1000	160 210	200-240	160, 130, 130, 93	AC-1, AC-2 AC-3, AC-4
				210, 150, 150, 120	
			380-440	160, 130, 130, 90	
				210, 150, 150, 110	
		500-550	90, 90	AC-2, AC-3	
			100, 100		
		690	60, 60		
			60, 60		
MC-185a MC-225a	a.c.1000	230 275	200-240	230, 185, 185, 150	AC-1, AC-2 AC-3, AC-4
				275, 225, 225, 180	
			380-440	230, 185, 085, 150	
				275, 225, 225, 180	
		500-550	180, 180	AC-2, AC-3	
			200, 200		
		690	120, 120		
			150, 150		
MC-265a MC-330a MC-400a	a.c.1000	300 350 450	200-240	300, 265, 265, 200	AC-1, AC-2 AC-3, AC-4
				350, 330, 330, 220	
				450, 400, 400, 300	
			380-440	300, 265, 265, 200	
				350, 330, 330, 220	
				450, 400, 400, 300	
		500-550	225, 225	AC-2, AC-3	
			250, 250		
			350, 350		
		690	185, 185		
			220, 220		
			300, 300		
MC-500a MC-630a MC-800a	a.c.1000	580 660 900	200-240	580, 500, 500, 350	AC-1, AC-2 AC-3, AC-4
				660, 630, 630, 400	
				900, 800, 800, 630	
			380-440	580, 500, 500, 350	
				660, 630, 630, 400	
				900, 800, 800, 630	
		500-550	400, 400	AC-2, AC-3	
			500, 500		
			720, 720		
		690	380, 380		
			420, 420		
			630, 630		

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Thermal Overload Relay:

TYPE NO.		Rated Insulation Voltage [V]	Setting Thermal Current [A]
MT-12	2H/3H/3K	a.c.690	0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1, 1~1.6, 1.6~2.5, 2.5~4, 4~6, 5~8, 6~9, 7~10, 9~13, 12~18
	3D		1~1.6, 1.6~2.5, 2.5~4, 4~6, 5~8, 6~9, 7~10, 9~13, 12~18
MT-32	2H/3H/3K		0.1~0.16, 0.16~0.25, 0.25~0.4, 0.4~0.63, 0.63~1, 1~1.6, 1.6~2.5, 2.5~4, 4~6, 5~8, 6~9, 7~10, 9~13, 12~18, 16~22, 18~25, 22~32, 28~40
	3D		1~1.6, 1.6~2.5, 2.5~4, 4~6, 5~8, 6~9, 7~10, 9~13, 12~18, 16~22, 18~25, 22~32, 28~40
MT-63 2H/3H/3K/3D			4~6, 5~8, 6~9, 7~10, 9~13, 12~18, 16~22, 18~25, 24~36, 28~40, 34~50, 45~65
MT-95 2H/3H/3K/3D			7~10, 9~13, 12~18, 16~22, 18~25, 24~36, 28~40, 34~50, 45~65, 54~75, 63~85, 70~95
MT-150 2H/3H/3K/3D			34~50, 45~65, 54~75, 63~85, 80~105, 95~130, 110~150
MT-225 2H/3H/3K/3D			65~100, 85~125, 100~160, 120~185, 160~240
MT-400 2H/3H/3K/3D			85~125, 100~160, 120~185, 160~240, 200~330, 260~400
MT-800 2H/3H/3K/3D			200~330, 260~400, 400~630, 520~800

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