








■ Timers

Type and rating


Standard	Type	Operation	Mounting	Indication	Contact arrangement	Control output	Input voltage	Power consumption	Timing range	Standard					
c  US	MS4SM	On-delay Flicker One-shot momentary action Signal off-delay	Surface/ flush	Power-on Time up	Time-limit 2(NO+NC)	See the UL approved type list shown at page 45	100 to 240V AC 50/60Hz 24V AC/DC 48 to 127V DC	Approx. 10VA for AC type. Approx. 1W for DC type.	From 0.6 seconds to 60 hours, 16 changeable ranges	UL508					
	MS4SA	On-delay									Power-on Time up	Time-limit 2(NO+NC)			
	MS4SC	On-delay									Power-on Time up	Time-limit 1(NO+NC) + instantaneous 1(NO+NC)			
	MS4SR	Repeat									Power-on ON	Time-limit 2(NO+NC)			
	MS4SF	Off-delay									Power-on	Time-limit 2(NO+NC)			
	MS4SF-R	Off-delay									Power-on	Time-limit 1(NO+NC) + instantaneous reset			
	MS4SY										 contact input  contact output	Time-limit 1NO () 1NO () instantaneous 1NO	100 to 240V AC 50/60Hz	Approx. 10VA for AC type.	Full scale
	ST7P-2	On-delay	Surface	Power-on Time up	Time-limit 2(NO+NC)	240V AC 3A	100V AC 200V AC 24V DC	100V AC approx. 1.2VA 200V AV approx. 1.5VA 24V DC approx. 1.1W	0.06 to 0.5s 0.25 to 3min	0.1 to 1s 1 to 10min	0.3 to 3s 2 to 30min	0.4 to 5s 4 to 60min	1 to 10s 0.2 to 2h	2 to 30s 0.5 to 6h	4 to 60s 1 to 12h
	MS7S1	On-delay	Surface	Time up	Time-limit 1(NO+NC)	220V AC 1A (Resistive load)	100/200V AC 110/220V AC 50/60Hz Terminal switchover 24V AC, 24V DC	Approx. 2VA for AC type. Approx. 1W for DC type.	0.2 to 1.2s 0.5 to 3s	1 to 6s 2 to 12s	5 to 30s 10 to 60s	0.5 to 3min 1 to 6min	2 to 12min 5 to 30min	10 to 60min	

Note: For connection, use a socket applicable to the object type.

● Supertimer

Standard	Type	Operation	Control output	UL File No.	Standard
c  US	MS4SM	On-delay Flicker One-shot momentary action Signal off-delay	Contact rating: 5A, 250V AC (resistive load)	E44592	UL508
	MS4SA	On-delay			
	MS4SC	On-delay	Contact rating: 5A, 240V AC (resistive load)		
	MS4SR	Repeat	Contact rating: 5A, 250V AC (resistive load)		
	MS4SF	Off-delay	Contact rating: 3A, 250V AC (resistive load)		
	MS4SF-R	Off-delay	Contact rating: 5A, 250V AC (resistive load)		
	MS4SY	Star-delta	Contact rating: 5A, 240V AC (resistive load)		
	MS7S1	On-delay	Contact rating: 1A, 220V AC (resistive load)		
	ST7P-2	On-delay	Contact rating: 3A, 240V AC (resistive load)		
	ST7P-4	On-delay			

● Sockets

Standard	Type Standard	Specification	Used with	UL File No.	Standard
c  US	TP411X	Rail mounting, screw terminal (11-pin)	MS4SM	E195744	UL508
	TP411SBA	Flush mounting, screw terminal (11-pin)			
	ATX2NS	Flush mounting, solder terminal (11-pin)			
	TP48X	Rail mounting, screw terminal (8-pin)	MS4SA MS4SC MS4SF MS4SY MS4SR	E90265	
	TP48SB	Flush mounting, screw terminal (8-pin)			
	ATX1NS	Flush mounting, solder terminal (8-pin)			
	TP88X1 TP88X2	Rail mounting, screw terminal (8-pin)			
	TP88	Surface mounting, solder terminal (8-pin)	ST7P-2		
	TP88R2	Surface mounting, wire wrap (8-pin)			
	TP88B	Surface mounting, PC board (8-pin)			
	TP814X1 TP814X2	Rail mounting, screw terminal (11-pin)			
	TP814	Surface mounting, solder terminal (11-pin)	ST7P-4		
	TP814R2	Surface mounting, wire wrap (11-pin)			
	TP814B	Surface mounting, PC board (11-pin)			