









## Optional Units

### Model list (for MS-T series)

Model name		Auxiliary contact blocks			Operation coil surge absorber unit				
Type		UT-AX4	UT-AX2	UT-AX11	UT-SA21	UT-SA22	UT-SA13	UT-SA23	UT-SA25
Mounting		Front clip-on		Side clip-on	Mounting on top				
Specification/ Function		Twin contact built-in 4-pole auxiliary contact (4a, 2a2b, 3a1b)	Twin contact built-in 2-pole auxiliary contact (2a, 1a1b, 2b)	Twin contact built-in 2-pole auxiliary contact (1a1b)	Operation coil surge absorber				
Appearance (Typical example)					With varistor 24VAC (Shared with DC) 48VAC (Shared with DC) 200VAC (Shared with DC) 400VAC	With varistor + indicating LED 200VAC (Shared with DC)	With CR DC200V	With CR AC200V	With varistor + CR 48VAC (Shared with DC) 200VAC (Shared with DC)
Applied model	Magnetic Starters	S-T10~T50/SD-T12~T50							
	Magnetic Contactors	MSO-T10~T25/MSOD-T12~T21							
	Contact Relays	SR(D)-T5			SR(D)-T5/T9				
	thermal relay	-			-				

Model name		Mechanical interlocks		Single mounted unit	Main circuit conductor kit		
Type		UT-ML11	UT-ML20	UT-HZ18	UT-SD10	UT-SD20	UT-SD25
Mounting		Side clip-on		-	-		
Specification/ Function		Combining it with two single Magnetic Contactors configures the reversing type. ML11 is the electrical interlock 2b contact built-in type.		When used in combination with the thermal relay, screw mounting and mounting on the IEC35mm rail are possible.	Conductor unit used for reversible connection *6 conductors/set (Note 2) (Note 3)		
Appearance (Typical example)							
Applied model	Magnetic Starters	ST10~T20	SD-T12~T20		S-T10	S(D)-T12/T20	S(D)-T21/T25
	Magnetic Contactors	-	-	-	-	-	-
	Contact Relays	-			-		
	thermal relay			TH-T18(KP)			

Model name		DC/AC interface unit for coil		Main circuit surge absorber unit	
Type		UT-SY21	UT-SY22	UT-SA3320	UT-SA3332
Mounting		Mounting on top		Mounting on head	
Specification/Function		No-contact output (Triac output)	Contact output (Relay output)	C+R delta connection	
Appearance (Typical example)					
Applied model	Magnetic Starters	S-T10~T50		S(D)-T10~T20	S(D)-T21~T32
	Magnetic Contactors	MSO-T10~T50		MSO(D)-T10~T20	MSO(D)-T21~T32
	Contact Relays	-		-	-
	thermal relay	-		-	-

Note 1: The head on and side on type mounting styles cannot be used simultaneously on the auxiliary contact unit.  
 Note 2: Power supply side and load side conductors are available, and therefore care should be taken when connecting.  
 Note 3: Use UN-SD18CX when mounting on T32.

## ● UT-AX□ auxiliary contact block

### Ratings and specifications

Model name			UT-AX4	UT-AX2	UT-AX11
Mounting method			Front clip-on	Front clip-on	Side clip-on
Number of poles			4	2	2
Contact arrangement			4a	2a	1a1b
			3a1b	1a1b	
			2a2b	2b	
Applicable model	Magnetic Contactor	AC operated type	S-T10, T12, T20, T21, T25, T32, T35, T50		
		DC operated type	S-DT12, T20, T21, T32, T35, T50		
	Contactor Relay	AC operated type	SR-T5		
		DC operated type	SRD-T5		
Rated insulation voltage [V]			690		
Rated impulse withstand voltage [kV]			6		
Rated frequency [Hz]			50/60		
Pollution degree			3		
Conventional free air thermal current I <sub>th</sub> [A]			10		
Contact ratings (Note 2)	AC rated operational current [A]	Category AC-15 (coil load)	AC120V	6	
			AC240V	3	
			AC440V	1.5	
			AC550V	1.2	
	AC rated operational current [A]	Category AC-12 (resistive load)	AC120V	10	
			AC240V	8	
			AC440V	5	
			AC550V	5	
DC rated operational current [A]	Category DC-13 (large coil load)	DC24V	3		
		DC48V	1.5		
		DC110V	0.6(2)		
		DC220V	0.3(0.8)		
DC rated operational current [A]	Category DC-12 (resistive load)	DC24V	10		
		DC48V	8		
		DC110V	5(8)		
		DC220V	1(3)		
Minimum applicable load level			5V 3mA		20V 3mA
Performance	Mechanical durability [ten thousand times]		1,000		
	Electrical durability [ten thousand times]		50		
	Switching frequency [time/hour]		1,800		
	Terminal screw size/type		M3.5 cross slot screw with pressure plate		
Applicable electric wire size [φmm,mm <sup>2</sup> ]		φ1.6 0.75 to 2.5			
Applicable crimp lug size		1.25-3.5 to 2-3.5			
Terminal screw tightening torque [N·m]		0.9 to 1.5			

Note 1: It is not possible to mount both the front clip-on and side clip-on units at the same time.

Note 2: The value in brackets indicates the current when switching the load with two poles installed in series.