AC Contactor & Thermal Overload Relay

Type and Signification

UNM	C	–	□
Company Code	Contactor		Rated Current

6	6A
9	9A
:	:
75	75A
85	85A

Application Range

UNMC type contactor is mainly used in the electric system with AC 50Hz/60Hz,the maximum voltage 660 V, and the maximum current 85 A. It is used for long distance switch-on and off circuit and frequently-starting motor. If properly combined with thermal overload relay device, it can work as starter of motor to prevent overload or open-phase. Series of such contactors can be equipped with toy-brick type auxiliary heads, air time-delay heads and interlocking device to act as time-delay contactor,reversing contactor, switching contactor and star-delta starter.

Characteristics

- Auxiliary electrified contact block is used，converient for installation.
- Contactor and thermal relay can be connected directly，without any other fittings.
- Install by using screws or directly install at the standard guide track of 35mm.
- It is easy to replace coil for using drawout type coil structure and unnecessary to dismantle contactor.
- Various accessories.

Accessory Assembly Illustration

2P/4P TOP MOUNTING

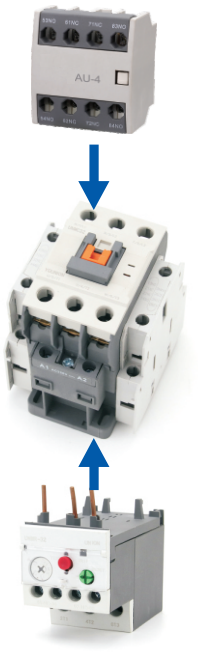
AU-2	AU-4
2NO.2NC	4NO.4NC.3NO+1NC
2NO.2NC	2NO+2NC.1NO+3NC

SIDE ON MOUNTING

AU-1
1NO+1NC

AC CONTACTOR

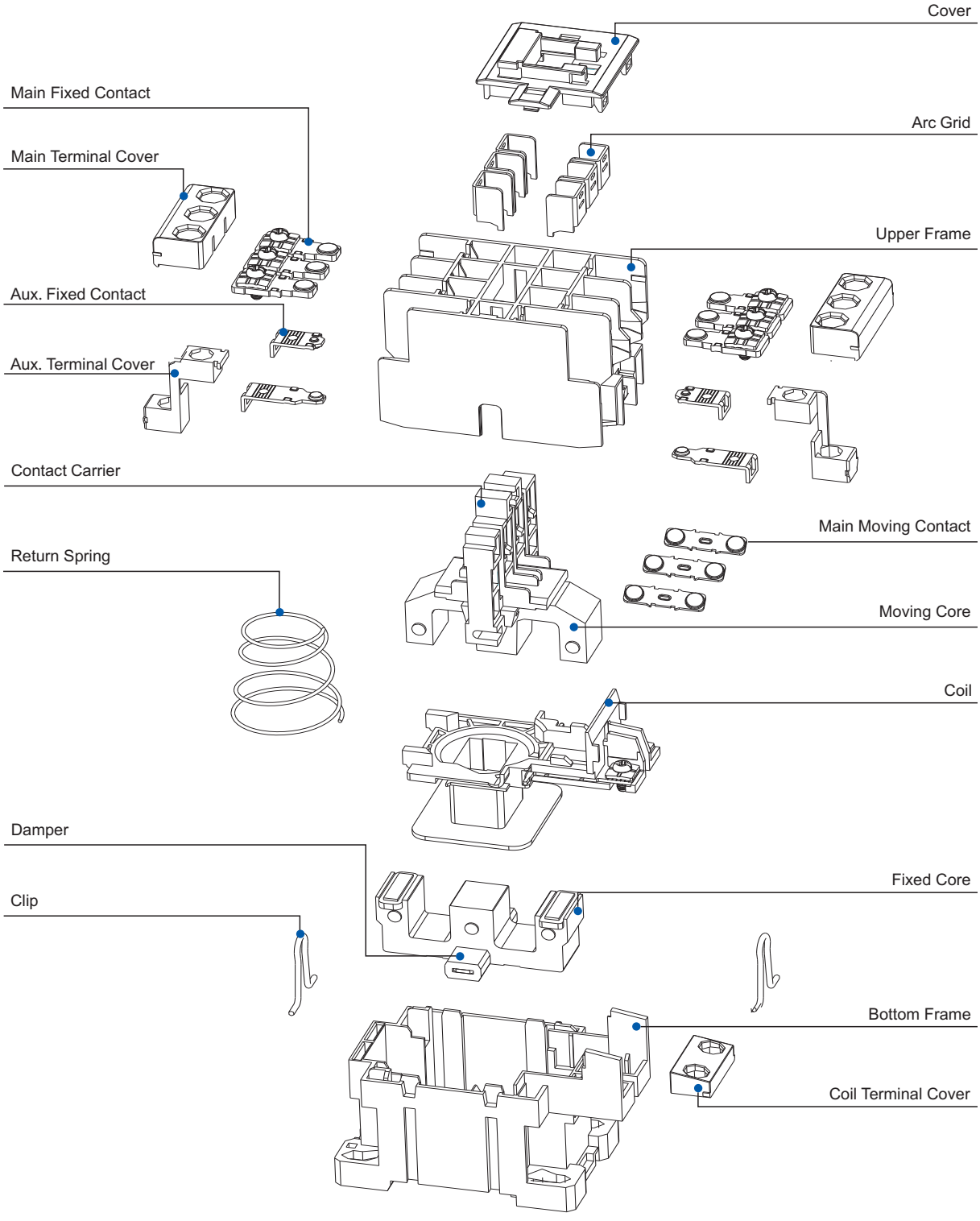
UNMC-32
1NO+1NC



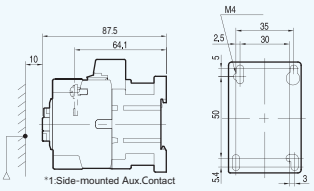
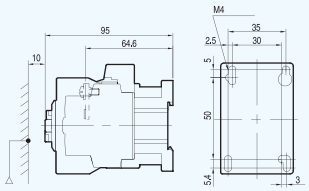
THERMAL OVERLOAD RELAY

UNMR-32
1NO+1NC

Internal Structure



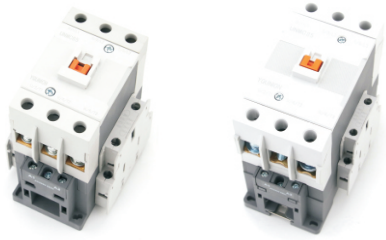
UNMC Technical Parameters

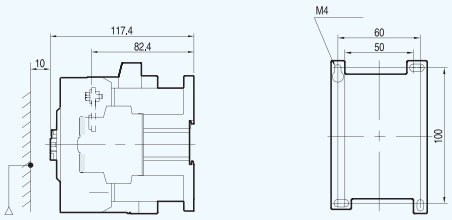
Type			UNMC-9	UNMC-12	UNMC-18	UNMC-22	UNMC-32	UNMC-40
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.5/3.5	3.5/4.7	4.5/6	5.5/7.5	7.5/10	11/15
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20	18.5/25
		500-550V	4/5.5	7.5/10	7.5/10	15/20	18.5/25	22/30
		660-690V	4/5.5	7.5/10	7.5/10	15/20	18.5/25	22/30
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	11	13	18	22	32	40
		380-440V	9	12	18	22	32	40
		500-550V	7	12	13	22	28	32
		660-690V	5	9	9	18	20	23
Conventional Thermal Current Ith:(A)			20	20	25	32	45	50
Rated Insulated Voltage Ui:(V)			690					
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO+1NC				1NO+1NC	
		Special	Optional				Optional	
	Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6					
		380-440V	0.95					
	Conventional Thermal Current Ith:(A)		16					
(AC-3)Electrical Life(Million Times)			3					
Mechanical Life(Million Times)			10					
Dimensions(mm)			 UNMC-9/12/18/22				 UNMC-32/40	

UNMR Technical Parameters

Type	UNMR-32	
Current Setting Range	Manual or Auto Return	
 Thermal Overload Relay	Nominal Rating(A)	Setting Range(A)
	0.16 0.25 0.4 0.63 1 1.6 2.5 4 6 8 9 10 13 18 22 26 36 40	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 18-26 24-36 28-40
Contact Arrangement	1NO+1NC	
Model of Matching Contactors	UNMC-9,UNMC-12,UNMC-18,UNMC-22,UNMC-32,UNMC-40	

UNMC Technical Parameters



Type			UNMC-50	UNMC-65	UNMC-75	UNMC-85
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	15/20	18.5/25	22/30	25/35
		380-440V	22/30	30/40	37/50	45/60
		500-550V	30/40	33/45	37/50	45/60
		660-690V	30/40	33/45	37/50	45/60
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	55	65	75	85
		380-440V	50	65	75	85
		500-550V	43	60	64	75
		660-690V	28	35	42	45
Conventional Thermal Current Ith:(A)			70	80	90	100
Rated Insulated Voltage Ui:(V)			690			
Auxiliary Contact AC-15	Contact Arrangement	Standard	2NO+2NC			
		Special	Optional			
	Rated Current A(AC-15) IEC60947-5-1 GB14048.5	200-240V	1.6			
		380-440V	0.95			
	Conventional Thermal Current Ith:(A)		16			
(AC-3)Electrical Life(Million Times)			3			
Mechanical Life(Million Times)			8			
Dimensions(mm)			 UNMC-50/65/75/85			

UNMR Technical Parameters

Type	UNMR-65		UNMR-85	
Current Setting Range	Manual or Auto Return			
 Thermal Overload Relay	Nominal Rating(A)	Setting Range(A)	Nominal Rating(A)	Setting Range(A)
	50 65	34-50 45-65	75 85 100	54-75 63-85 80-100
Contact Arrangement	1NO+1NC		1NO+1NC	
Model of Matching Contactors	UNMC-50,UNMC-65		UNMC-75,UNMC-85	