YGUNION

AC Contactor
Thermal Overload Relay
Modular Contactor

UNION ELECTRICS

CONTENTS

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

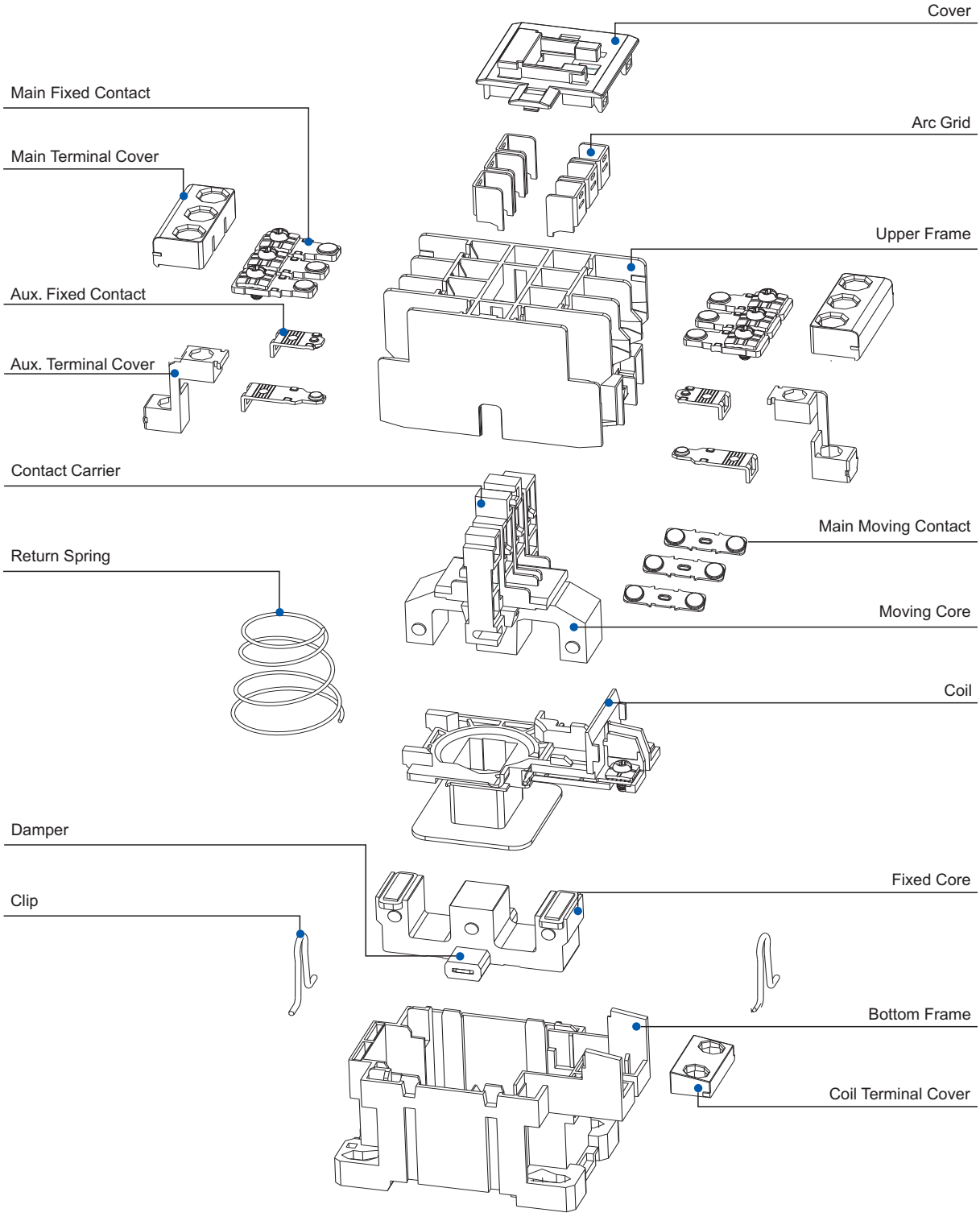
AC CONTACTOR

UNMC-32
1NO+1NC

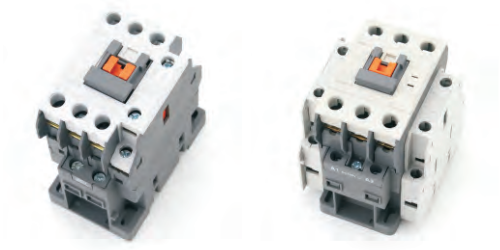
THERMAL OVERLOAD RELAY

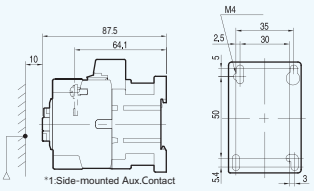
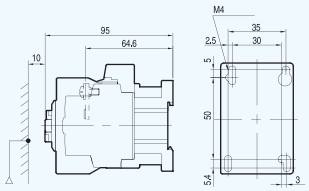
UNMR-32
1NO+1NC

Internal Structure



UNMC Technical Parameters

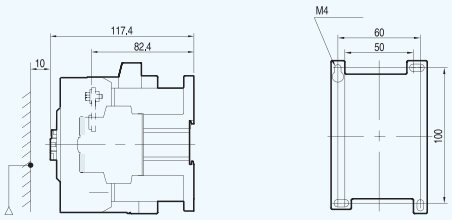


Type			UNMC-9	UNMC-12	UNMC-18	UNMC-22	UNMC-32	UNMC-40
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.5/3.5	3.5/4.7	4.5/6	5.5/7.5	7.5/10	11/15
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20	18.5/25
		500-550V	4/5.5	7.5/10	7.5/10	15/20	18.5/25	22/30
		660-690V	4/5.5	7.5/10	7.5/10	15/20	18.5/25	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	

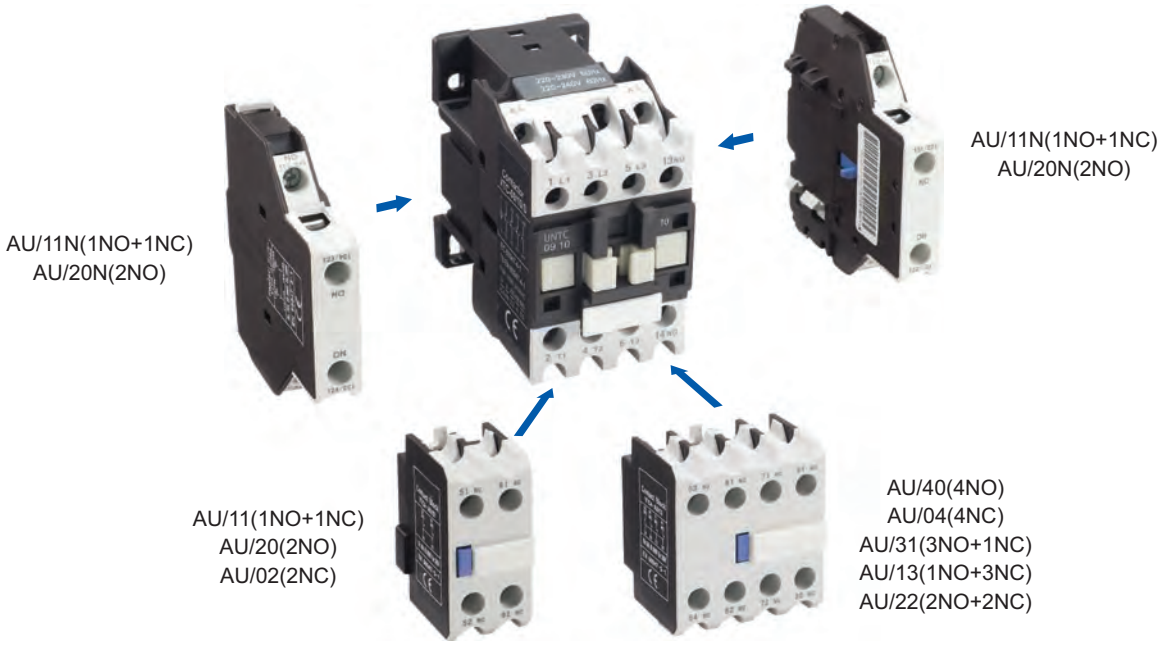
Type And Signification

UNT	C	□	□		□	
Company Code	Contactor	D	Rated Current		10	Aux. Contact NO
		N	6	6A	01	Aux. Contact NC
		K	9	9A	004	4-pole Contactor
		F	:	:		
			75	75A		
			85	85A		

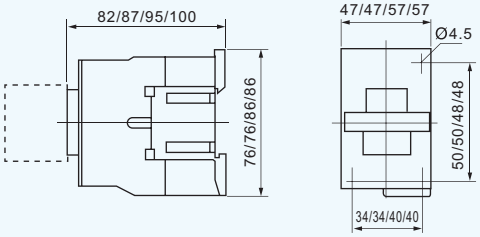
Application Range

UNTC series contactor is suitable for using in the circuit up to the rated voltage 600V AC 50Hz or 60Hz,DC voltage 220V rated current 150A,for making and breaking and frequent starting, controlling the AC motor which is combined with the auxiliary contact group, air delayer,machine interlocking device and etc.It is combined into the delay contactor, mechanical interlock contactor, switchover capacitor contactor, star-delta starter, with the thermal JR28 relay; it is combined into the electromagnetic starter.

Aux. Contacts Blocks



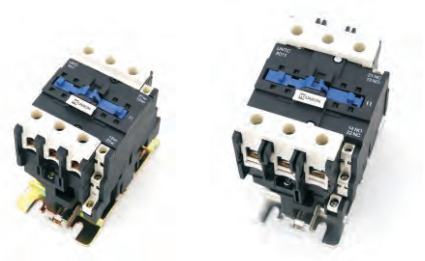
UNTC Technical Parameters

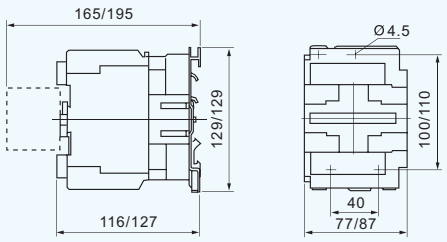
Type			UNTC-D09	UNTC-D12	UNTC-D18	UNTC-D25	UNTC-D32
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.2/3	3/4	4/5.5	5.5/7.5	7.5/10
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20
		500-550V	5/7	7.5/10	9/12	15/20	18.5/25
		660-690V	5.5/7.5	7.5/10	10/13.5	15/20	18.5/25
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	11	15	22	30	40
		380-440V	9	12	18	25	32
		500-550V	7	9	12	18	21
		660-690V	7	9	12	18	21
Conventional Thermal Current Ith:(A)			20	20	32	40	50
Rated Insulated Voltage Ui:(V)			690				
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO				
		Special	1NC				
	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)							

UNTR Technical Parameters

Type	UNTR-13	
Current Setting Range	Manual or Auto Return	
 Thermal Overload Relay	Nominal Rating(A)	Setting Range(A)
	0.16 1.6 8 0.25 2 10 0.4 2.5 13 0.63 4 18 1 6 25	0.1-0.16 1-1.6 5.5-8 0.16-0.25 1.25-2 7-10 0.25-0.4 1.6-2.5 9-13 0.4-0.63 2.5-4 12-18 0.63-1 4-6 17-25
Contact Arrangement	1NO+1NC	
Model of Matching Contactors	UNTC-09,UNTC-12,UNTC-18,UNTC-25,UNTC-32	

UNTC Technical Parameters



Type			UNTC-D40	UNTC-D50	UNTC-D65	UNTC-D80	UNTC-D95
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	11/15	15/20	18.5/25	22/30	25/35
		380-440V	18.5/25	22/30	30/40	37/50	45/60
		500-550V	30/40	37/50	37/50	45/60	45/60
		660-690V	30/40	37/50	37/50	45/60	45/60
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	50	60	75	90	110
		380-440V	40	50	65	80	95
		500-550V	34	39	42	49	59
		660-690V	34	39	42	49	59
Conventional Thermal Current Ith:(A)			60	80	80	100	100
Rated Insulated Voltage Ui:(V)			690				
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO+1NC				
		Special	-				
	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)							

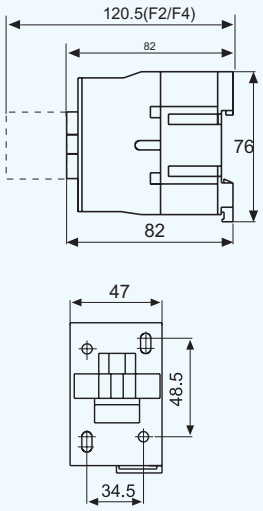
UNTR Technical Parameters

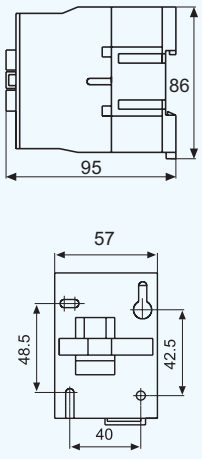
Type	UNTR-23		UNTR-33	
Current Setting Range	Contact Arragement			
 Thermal Overload Relay	Nominal Rating(A)	Setting Range(A)	Nominal Rating(A)	Setting Range(A)
	32 36	23-32 28-36	40 70 50 80 65 93	30-40 55-70 37-50 63-80 48-65 80-93
Contact Arrangement	1NO+1NC		1NO+1NC	
Model of Matching Contactors	UNTC-32,UNTC-40		UNTC-40,UNTC-50,UNTC-65,UNTC-80,UNTC-95	

UNTC-D Technical Parameters

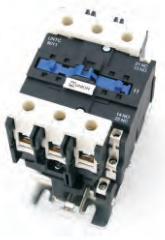
Type			UNTC-D09/4	UNTC-D12/4	UNTC-D18/4	UNTC-D25/4
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.2/3	3/4	4/5.5	5.5/7.5
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15
		500-550V	5/7	7.5/10	9/12	15/20
		660-690V	5.5/7.5	7.5/10	10/13.5	15/20
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	11	15	22	30
		380-440V	9	12	18	25
		500-550V	7	9	12	18
		660-690V	7	9	12	18
Conventional Thermal Current Ith:(A)			20	20	32	40
Rated Insulated Voltage Ui:(V)			690			
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO			
		Special	1NC			
	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			

Closed Type
Attached Buttons
External Dimensions(mm)



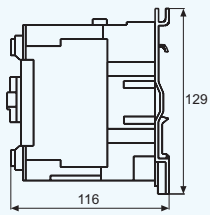


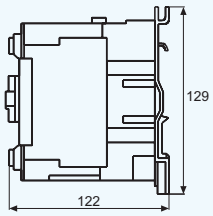
UNTC-D Technical Parameters

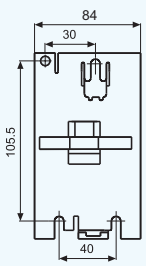


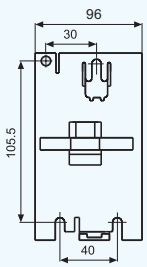
Type			UNTC-D40/4	UNTC-D50/4	UNTC-D65/4	UNTC-D80/4	UNTC-D90/4
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	11/15	15/20	18.5/25	22/30	25/35
		380-440V	18.5/25	22/30	30/40	37/50	45/60
		500-550V	30/40	37/50	37/50	45/60	45/60
		660-690V	30/40	37/50	37/50	45/60	45/60
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	50	60	75	90	110
		380-440V	40	50	65	80	95
		500-550V	34	39	42	49	59
		660-690V	34	39	42	49	59
Conventional Thermal Current Ith:(A)			60	80	80	100	100
Rated Insulated Voltage Ui:(V)			690				
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO+1NC				
		Special	-				
	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)			1				
Mechanical Life(Million Times)			5				

Closed Type
Attached Buttons
External Dimensions(mm)









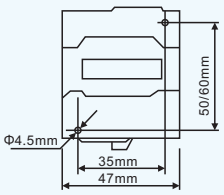
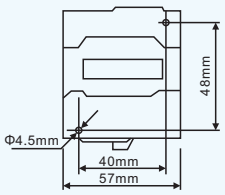
UNTC-K Technical Parameters

Type			UNTC-K06	UNTC-K09	UNTC-K12
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	1.5/2	2.2/3	3/4
		380-440V	2.2/3	4/5.5	5.5/7.5
		500-550V	3/4	4/5.5	4/5.5
		660-690V	3/4	4/5.5	4/5.5
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	7	9	12
		380-440V	6	9	12
		500-550V	5	6	7
		660-690V	4	5	5
Conventional Thermal Current Ith:(A)			20	20	20
Rated Insulated Voltage Ui:(V)			660		
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO/1NC		
		Special	-		
	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)			1		
Mechanical Life(Million Times)			8		

Circuits Characteristic and Terminal Connection

Connection Circuits	Type	UNTC-K06	UNTC-K09	UNTC-K12
Coil Voltage (V)	AC 50Hz/60Hz	24, 36, 48, 110, 220, 230, 240, 380, 400, 415, 440		
	DC	24, 36, 48, 110, 220		
Acting Range	Attraction(Hot)	(85%～110%)Us;+40℃		
	Release(Cold)	AC:(20%～75%)Us,DC:(10%～75%)Us;-5℃		
Installation		35mm DIN rail or screw (M4)		
Connection	Main Contact	Screw(M3) Wire:1~4mm		
	Aux. Contact / Coil	Screw (M3) line-pressed terminal		

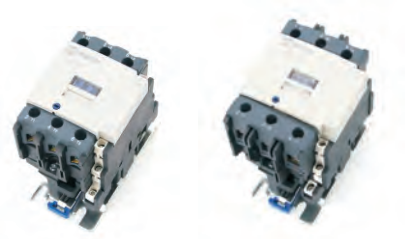
UNTC Technical Parameters

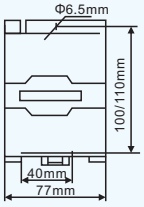
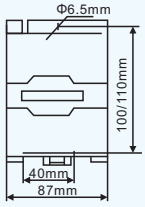
Type			UNTC-N09	UNTC-N12	UNTC-N18	UNTC-N25	UNTC-N32
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	2.2/3	3/4	4/5.5	5.5/7.5	7.5/10
		380-440V	4/5.5	5.5/7.5	7.5/10	11/15	15/20
		500-550V	5/7	7.5/10	9/12	15/20	18.5/25
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	11	15	22	30	40
		380-440V	9	12	18	25	32
		500-550V	7	9	12	18	21
Conventional Thermal Current Ith:(A)			18	18	25	40	40
Rated Insulated Voltage Ui:(V)			660				
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO+1NC				
		Special	-				
	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)			1				
Mechanical Life(Million Times)			5				
Dimensions(mm)							

UNTR Technical Parameters

Type	UNTR-13	
Current Setting Range	Manual or Auto Return	
 Thermal Overload Relay	Nominal Rating(A)	Setting Range(A)
	0.16 1.6 8 0.25 2 10 0.4 2.5 13 0.63 4 18 1 6 25	0.1-0.16 1-1.6 5.5-8 0.16-0.25 1.25-2 7-10 0.25-0.4 1.6-2.5 9-13 0.4-0.63 2.5-4 12-18 0.63-1 4-6 17-25
Contact Arrangement	1NO+1NC	
Model of Matching Contactors	UNTC-09,UNTC-12,UNTC-18,UNTC-25,UNTC-32	

UNTC Technical Parameters



Type			UNTC-N40	UNTC-N50	UNTC-N65	UNTC-N80	UNTC-N95
Rated Power kW/HP(AC-3) IEC60947-4-1 GB14048.4		200-240V	11/15	15/20	18.5/25	22/30	25/35
		380-440V	18.5/25	22/30	30/40	37/50	45/60
		500-550V	30/40	37/50	37/50	45/60	45/60
Rated Current A(AC-3) IEC60947-4-1 GB14048.4		200-240V	50	60	75	90	110
		380-440V	40	50	65	80	95
		500-550V	34	39	42	49	59
Conventional Thermal Current Ith:(A)			60	80	80	110	110
Rated Insulated Voltage Ui:(V)			660				
Auxiliary Contact AC-15	Contact Arrangement	Standard	1NO+1NC				
		Special	-				
	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)			1				
Mechanical Life(Million Times)			5				
Dimensions(mm)							

UNTR Technical Parameters

Type	UNTR-23		UNTR-33	
Current Setting Range	Contact Arragement			
 Thermal Overload Relay	Nominal Rating(A)	Setting Range(A)	Nominal Rating(A)	Setting Range(A)
	32 36	23-32 28-36	40 70 50 80 65 93	30-40 55-70 37-50 63-80 48-65 80-93
Contact Arrangement	1NO+1NC		1NO+1NC	
Model of Matching Contactors	UNTC-32,UNTC-40		UNTC-40,UNTC-50,UNTC-65,UNTC-80,UNTC-95	

UNTC-F Technical Parameters

Type		UNTC-F115	UNTC-F150	UNTC-F185	UNTC-F225	UNTC-F265	UNTC-F330
Rated Current	Ie max AC-3 (Ue≤440V)	115A	150A	185A	225A	265A	330A
	Ie max AC-1 (θ ≤40℃)	200A	200A	275A	280A	350A	360A
Main Contacts(NO)		3、4	3、4	3、4	3、4	2、3、4	2、3、4
Rated Insulated Voltage(Ui)		690V					
Rated Impulse Withstand Voltage(Uimp)		8kV					
Rated Operational Voltage(Ue)max		1000V					
Standards-compliant		IEC60947-4-1, GB14048.4, EN60947-4-1					
Conventional Thermal Current Ith(≤40℃)		200A	200A	275A	280A	350A	360A
Operation Frequency	AC-1 , AC-2 , AC-3	300	300	120	120	120	120
	AC-4	70A	30A	30A	30A	30A	30A
Rated Power(AC-3)	220/240V	30kW	40kW	55kW	63kW	75kW	100kW
	380/400V	55kW	75kW	90kW	100kW	132kW	160kW
	415V	59kW	80kW	100kW	100kW	140kW	180kW
	440V	59kW	80kW	100kW	110kW	140kW	200kW
	500V	75kW	90kW	110kW	129kW	160kW	200kW
	660/690V	80kW	100kW	110kW	129kW	160kW	220kW
	1000V	65kW	65kW	100kW	100kW	147kW	160kW
Connection/Wiring Operation Voltage (θ≤55℃)	Number of Lines Line Size(mm^2)	20^2×3	25^2×3	25^2×3	32^2×3	32^2×4	30^2×5
	Cable with Splicing (mm^2)	95	120	150	185	240	240
	Cable with Connector (mm^2)	95	120	150	185	240	—
	Screw Diameter	Φ6	Φ8	Φ8	Φ10	Φ10	Φ10
Tightening Torque(N.m)		10	18	18	35	35	35

UNTC-F Technical Parameters

Type		UNTC-F400	UNTC-F500	UNTC-F630	UNTC-F780	UNTC-F800
Rated Current	Ie max AC-3 (Ue≤440V)	400A	500A	630A	780A	800A
	Ie max AC-1 (θ ≤40℃)	430A	580A	850A	1200A	850A
Main Contacts(NO)		3、4	3、4	3、4	3	3、4
Rated Insulated Voltage(Ui)		1000V	1000V	1000V	1000V	1000V
Rated Impulse Withstand Voltage(Uimp)		8kV	8kV	8kV	8kV	8kV
Rated Operational Voltage(Ue)max		1000V	1000V	1000V	1000V	1000V
Standards-compliant		IEC60947-4-1, GB14048.4, EN60947-4-1				
Conventional Thermal Current Ith(≤40℃)		430A	880A	850A	1200V	850V
Operation Frequency	AC-1 , AC-2 , AC-3	120	120	120	120	120
	AC-4	30	30	30	30	30
Rated Power(AC-3)	220/240V	110kW	147kW	200kW	220kW	220kW
	380/400V	200kW	250kW	335kW	400kW	400kW
	415V	220kW	280kW	375kW	425kW	425kW
	440V	250kW	295kW	400kW	425kW	425kW
	500V	257kW	355kW	400kW	450kW	450kW
	660/690V	280kW	330kW	450kW	475kW	475kW
	1000V	185kW	335kW	450kW	450kW	450kW
Connection/Wiring Operation Voltage (θ≤55℃)	Number of Lines Line Size(mm^2)	30^2×5	40^2×5	60^2×5	100^2×5	60^2×5
	Cable with Splicing (mm^2)	2×150	2×240	-	-	-
	Cable with Connector (mm^2)	-	-	-	-	-
	Screw Diameter	Φ10	Φ10	Φ12	Φ12	Φ12
Tightening Torque(N.m)		35	35	58	58	58

UNSC Technical Parameters

Type		UNSC40 -9A	UNSC41 -12A	UNSC42 -16A	UNSC43 -22A	UNSC44 -32A	UNSC45 -38A	UNSC46 -45A	UNSC47 -63A	UNSC48 -75A
Mechanical endurance(x10^6)		10	10	10	8	8	8	8	8	8
Conventional thermalcurrent(A)		20	20	30	30	55	55	80	90	100
Rated insulation voltage(V)		690								
Rated(380V) operating current(A)	AC-3	9	12	16	22	32	38	45	63	75
	AC-4	6.6	8.8	12.2	12.2	27	27	45	63	75
Power of controllable motor(kW) AC-3	400V	4	5.5	7.5	11	15	18.5	22	30	37
	690V	5.5	7.5	11	11	23	23	39	55	67
Power of controllable motor(kW) AC-4	400V	1.5	1.9	3.5	4	7.5	9	12	14	17
	690V	2.4	3.3	6	6.6	13	15.5	20.8	24.3	29.5
Frequency of operation (l/h)	AC-3	1000	1000	750	750	750	600	1200	1000	1000
	AC-4	250	250	250	250	250	200	400	300	300
Electrical endurance (x10^6)		1.2								
		0.2								
Rated voltage of	50Hz	24,36,48,110,127,220,380,etc								
	60Hz	24,110,220,440,etc.								

Technical Parameters

Type	UNSR-12.5Z	UNSR-25Z	UNSR-45Z	UNSR-63F
Current Setting Range	Contact Arragement			
 Thermal Overload Relay	0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 0.63-1 0.8-1.25 1-1.6 1.25-2 1.6-2.5 2.5-4 3.2-5 4-6.3 5-8 6.3-10 8-12.5 10-14.5	0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 0.8-1.25 1-1.6 1.6-2.5 2.5-4 3.2-5 4-6.3 5-8 6.3-10 8-12.5 10-16 12.5-20 16-25	0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 ... 6.3-10 8-12.5 10-16 12.5-20 16-25 20-32 25-36 30-40 36-45	0.1-0.16 0.16-0.25 0.25-0.4 0.4-0.63 ... 8-12.5 10-16 12.5-20 16-25 20-30 25-40 32-45 40-57 50-63
Contact Arrangement	1NO+1NC		1NO+1NC	
Model of Matching Contactors	UNSC-40、UNSC-41	UNSC-42、UNSC-43	UNSC-44、UNSC-45	UNSC-45、UNSC-47

UNSC Technical Parameters

Type		UNSC49 -85A	UNSC50 -110A	UNSC51 -140A	UNSC52 -170A	UNSC53 -205A	UNSC54 -250A	UNSC55 -300A	UNSC56 -400A	UNSC57 -630A
Mechanical endurance($x10^6$)		8	8	8	8	8	8	8	8	8
Conventional thermalcurrent(A)		100	160	160	210	210	300	300	400	550
Rated insulation voltage(V)		690								
Rated(380V) operating current(A)	AC-3	85	110	140	170	205	250	300	400	475
	AC-4	42	54	68	75	96	110	125	150	150
Power of controllable motor(kW) AC-3	400V	45	55	75	90	110	132	160	200	250
	690V	67	100	100	156	156	235	235	375	375
Power of controllable motor(kW) AC-4	400V	21	27	35	38	50	58	66	81	81
	690V	36	46. 9	60	66	86	100	114	140	140
Frequency of operation (l/h)	AC-3	850	1000	750	700	500	700	500	500	420
	AC-4	250	300	200	200	130	200	130	150	150
Electrical endurance ($x10^6$)		1.2								
		0.2								
Rated voltage of	50Hz	24,36,48,110,127,220,380,etc								
	60Hz	24,110,220,440,etc.								

Technical Parameters

Type	UNSR-80Z	UNSR-135/150F	UNSR-180F	UNSR-400/630F
Current Setting Range	Contact Arragement			
 Thermal Overload Relay	4.6-6.3 32-50 11-17 40-57 12.5-20 50-63 16-25 57-70 20-32 63-80 25-40 70-88	55-80 63-90 80-110 90-120 110-135 120-150	55-80 63-90 80-110 90-120 110-135 120-150 135-160 150-180	80-125 125-200 160-250 200-320 250-400 320-500 400-630
Contact Arrangement	1NO+1NC		1NO+1NC	
Model of Matching Contactors	UNSC-46、47、48、49	UNSC-49、50、51	UNSC-52、53	UNSC-54、55、56、57

Type And Signification

UN	MCW	□	□	□
Company Code	Modular Contactor	2-Pole	Rated Current	Control Voltage
		4-Pole	16A	AC 24V
			20A	AC 110V
			:	AC 230V
			63A	
			100A	

Application Range

The breadth of the ICT contactor range satisfies most application cases. UNMCW contactors can be combined with auxiliary control, protection and indication functions.UNMCW contactors are available in two versions:

- Contactors without manually–operated.
- Contactors with manually-operated.

UNMCW contactors can be used to remote control applications in alternative networks:

- lighting, heating,ventilation,roller blinds,sanitary hot water.
- Mechanical ventilation systems, etc.
- load–shedding of non-priority circuits.

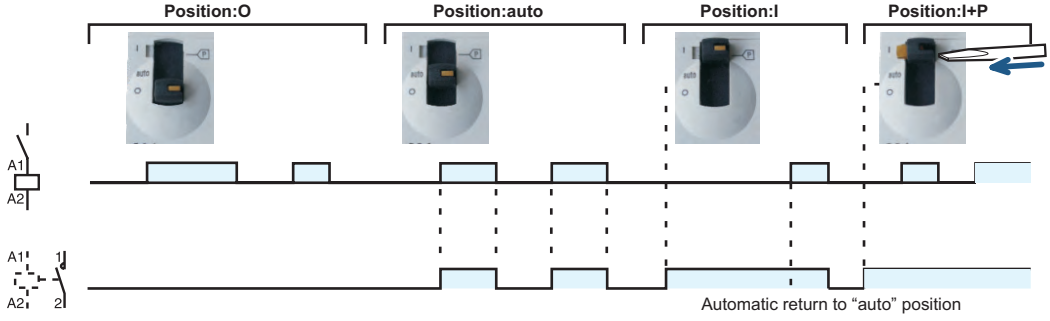
Dual control BACTc

Used to control a contactor in impulse-type mode or to combine latched or impulse-type control orders

Indication BACTs

This auxiliary allows indication or control of the "open"or"closed" postition of the contactor power contacts

Operation(Manual Control Contactor)



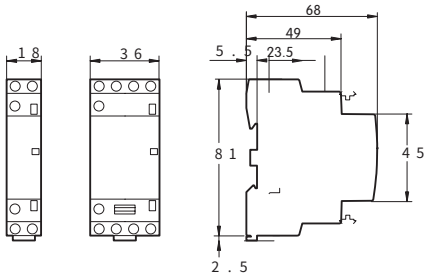
Catalogue numbers

Type	Rating(In) AC-7a	Rating(In) AC-7b	Control voltage (VAC)(50Hz)	Contact	Holding	Inrush	Max. power	Width in 9 mm modules
1P	16A	6A	24	1NO 1NC	3.8VA	15VA	1.3W	2
	20A	7A	110		2.7VA	9.2VA	1.2W	
	25A	8.5A	230		2.7VA	9.2VA	1.2W	
2P	16A	6A	24	2NO 1NO+1NC 2NC	3.8VA	15VA	1.3W	2
	20A	8.5A	110		2.7VA	9.2VA	1.2W	
	25A	8.5A	230		2.7VA	9.2VA	1.2W	
	32A	15A	24		4.6VA	34VA	1.6W	4
	40A	15A	110		4.6VA	34VA	1.6W	
	63A	20A	230		4.6VA	34VA	1.6W	
	100A	–	24		6.5VA	53VA	2.1W	6
			110		6.5VA	53VA	2.1W	
			230		6.5VA	53VA	2.1W	
3P	16A	6A	24	3NO 3NC	4.6VA	34VA	1.6W	4
	20A	8.5A	110		4.6VA	34VA	1.6W	
	25A	8.5A	230		4.6VA	34VA	1.6W	
	32A	15A	24		6.5VA	53VA	2.1W	6
	40A	15A	110		6.5VA	53VA	2.1W	
	63A	20A	230		6.5VA	53VA	2.1W	
4P	16A	6A	24	4NO 4NC 2NO+2NC 3NO+1NC	4.6VA	34VA	1.6W	4
	20A	8.5A	110		4.6VA	34VA	1.6W	
	25A	8.5A	230		4.6VA	34VA	1.6W	
					4.6VA	34VA	1.6W	
	32A	15A	24		6.5VA	53VA	2.1W	6
	40A	15A	110		6.5VA	53VA	2.1W	
	63A	20A	230		6.5VA	53VA	2.1W	
					6.5VA	53VA	2.1W	
	100A	–	24		6.5VA	53VA	2.1W	12
			110		6.5VA	53VA	2.1W	
			230		6.5VA	53VA	2.1W	

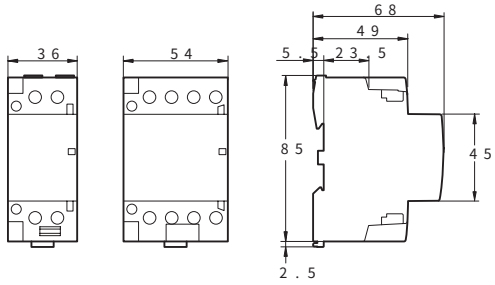
Catalogue Numbers

Type	Rating(In) AC-7a	Rating(In) AC-7b	Control voltage (VAC)(50Hz)	Contact	Holding	Inrush	Max. power	Width in 9 mm modules
2P	16A	6A	24	2NO 1NO+1NC 2NC	2.7VA	9.2VA	1.2W	2
	20A	8.5A	110					
	25A	8.5A	230					
	32A	15A	24		4.6VA	34VA	1.6W	4
	40A	15A	110					
	63A	20A	230					
4P	16A	6A	24	4NO 4NC 2NO+2NC 3NO+1NC	4.6VA	34VA	1.6W	4
	20A	8.5A	110					
	25A	8.5A	230					
	32A	15A	24		6.5VA	53VA	2.1W	6
	40A	15A	110					
	63A	20A	230					

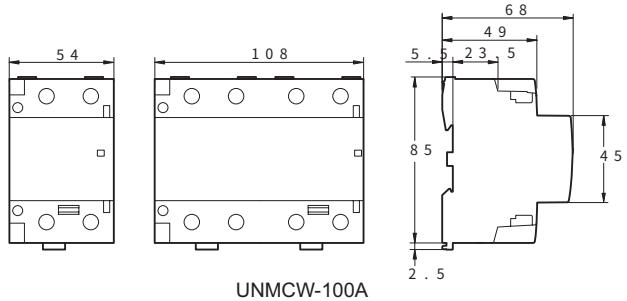
Dimensions(mm)



UNMCW-16/25A



UNMCW-40/63A



UNMCW-100A

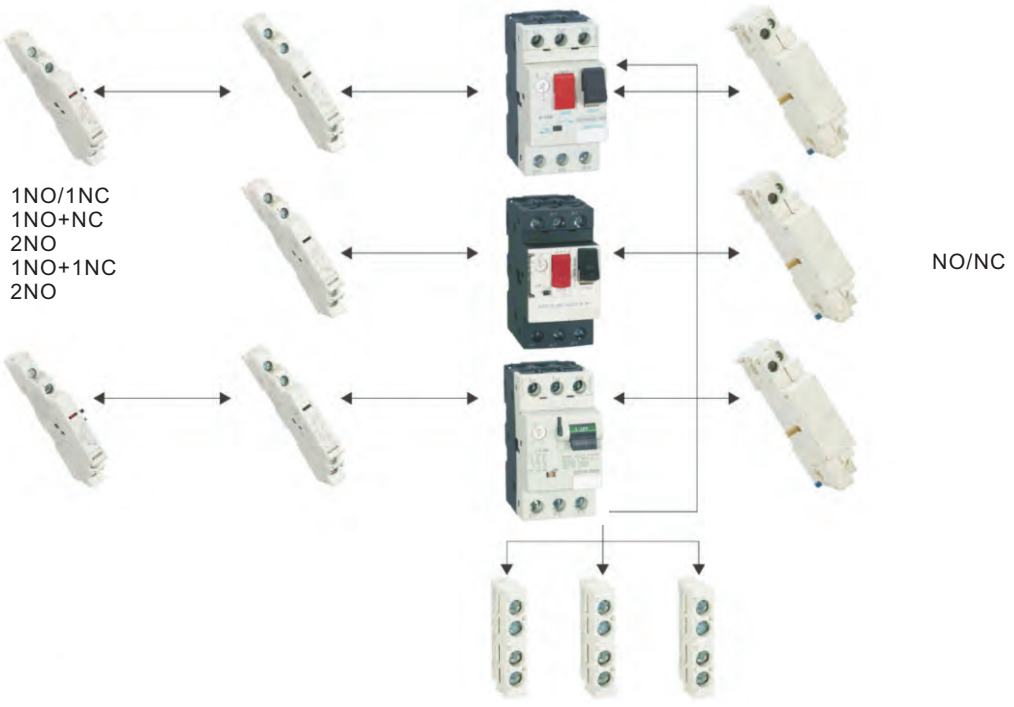
Type And Signification

UV	□	□
Company Code	Design No.	M(Moulded case)
	2	ME(New type)
	3	

Application Range

UV2,UV3 the series electric motor protection circuit breaker, uses the modular design, the contour is artistic, the volume is small, breaks protects, inside sets Hot Relay, thefunction is strong, the versatility is good. The UV2,UV3 series conforms to IEC60947.2 and IEC60947-4.1 as well as the EN60947-1 standard. The switch and the contact device may compose the electric motor is direct Starts. The UV2,UV3 series outer covering protectionrankmay achieve IP65. This series pooled three types model product: UV2,UV3(M、ME) is the electric motor belt thermomagnetism protection circuit breaker which the button controls; UV2,UV3(RS) is the electric motor belt thermomagentism protection circuit breaker which the change-over switch controls; UV2,UV3(LS,LE) is the electric motor belt magnetism protection circuit breaker which the change-over switch controls (does not bringhot protection).

Accessories(refer to table 4)



Air Switch Of The Motor

UV2-M(ME)(P)		UV2-M(GV2-RS)		UV2-M(GV2-LS)(LE)	
M01C	0.1-0.16	RS01C	0.1-0.16		
M02C	0.16-0.25	RS02C	0.16-0.25		
M03C	0.25-0.40	RS03C	0.25-0.40	LS03	0.40
M04C	0.40-0.63	RS04C	0.40-0.63	LS04	0.63
M05C	0.63-1	RS05C	0.63-1	LS05	1
M06C	1-1.6	RS06C	1-1.6	LS06	1.6
M07C	1.6-2.5	RS07C	1.6-2.5	LS07	2.5
M08C	2.5-4	RS08C	2.5-4	LS08	4
M10C	4-6.3	RS10C	4-6.3	LS10	6.3
M14C	6-10	RS14C	6-10	LS14	10
M16C	9-14	RS16C	9-14	LS16	14
M18C	10-16	RS18C	10-16	LS18	16
M20C	13-18	RS20C	13-18	LS20	18
M21C	17-23	RS21C	17-23	LS21	23
M22C	20-25	RS22C	20-25	LS22	25
M32C	24-32	RS32C	24-32		

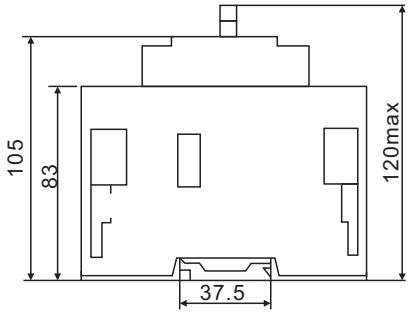
The rated power of three-phase elecrtomotor controlled by breaker (GV2 motor circuit breaker)

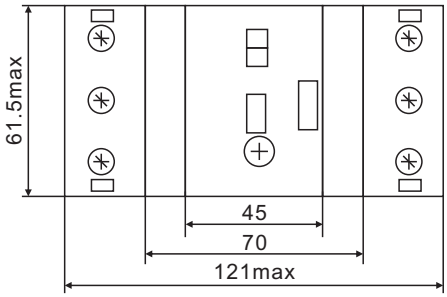
The adjusting range of rated current ie(A)	The standard power of three-phase electromotor KW.AC-3,50Hz/60Hz					
	230/240V	400V	415V	440V	500V	690V
0.1-0.16	-	-	-	-	-	-
0.16-0.25	-	-	-	-	-	-
0.25-0.40	-	-	-	-	-	-
0.40-0.63	-	-	-	-	-	0.37
0.63-1	-	-	-	0.37	0.37	0.55
1-1.6	-	0.37	-	0.55	0.75	1.1
1.6-2.5	0.37	0.75	0.75	1.1	1.1	1.5
2.5-4	0.75	1.5	1.5	1.5	2.2	3
4-6.3	1.1	2.2	2.2	3	3.7	4
6-10	2.2	4	4	4	5.5	7.5
9-14	3	5.5	5.5	7.5	7.5	9
13-18	4	7.5	9	9	9	11
17-23	5.5	11	11	11	11	15
20-25	5.5	11	11	11	15	18.5
24-32	7.5	15	15	15	18.5	23

Electric Disjointing

Type	UV3-M	UV3-ME
UV3-M10	6-10A	6-10A
UV3-M16	10-16A	10-16A
UV3-M20	14-20A	14-20A
UV3-M25	16-25A	16-25A
UV3-M40	25-40A	25-40A
UV3-M63	40-63A	40-63A
UV3-M80	56-80A	56-80A

The External Fiing Dimension





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