

Altech Corp.®

Your Source for Automation & Control Components



Quality
Endorsed
Company



1.9 20.4 44.5 33.7

Contactors, Mini Contactors, & Overload Relays



includes UA-1-11
Auxiliary switch,
(1NO/1NC)

22AF Frame



includes 2 x UA-1-11
Auxiliary switch,
(2NO/2NC)

40AF Frame



includes 2 x UA-1-11
Auxiliary switch,
(2NO/2NC)

65AF Frame



includes 2 x UA-1-11
Auxiliary switch,
(2NO/2NC)

100AF Frame



includes 2 x UA-1-11
Auxiliary switch,
(2NO/2NC)

150AF Frame



includes 2 x AU-100-11
Auxiliary switch,
(2NO/2NC)

225AF Frame



includes 2 x AU-100-11
Auxiliary switch,
(2NO/2NC)

400AF Frame



includes 2 x AU-100-11
Auxiliary switch,
(2NO/2NC)

800AF Frame

3 Pole Contactors (Normally Open)

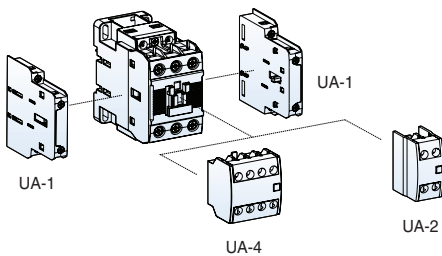
Amperage AC-3 @ 380/440V	AC-1	HP Rating						Auxiliary		Coil Voltage					
		Single Phase			Three Phase			NO	NC	24 VAC	24 VDC	120 VAC	208 VAC	230 VAC	480 VAC
		110- 120V	220- 240V	200- 208V	220- 240V	440- 480V	550- 600V								
22AF FRAME															
9A	25A	0.5	1.5	2	3	5	7.5	1	1	MC-9B-AC24V	MC-9B-DC24V	MC-9B-AC120V	MC-9B-AC208V	MC-9B-AC230V	MC-9B-AC480V
12A	25A	.75	2	3	5	7.5	10	1	1	MC-12B-AC24V	MC-12B-DC24V	MC-12B-AC120V	MC-12B-AC208V	MC-12B-AC230V	MC-12B-AC480V
18A	32A	1	3	5	7.5	10	15	1	1	MC-18B-AC24V	MC-18B-DC24V	MC-18B-AC180V	MC-18B-AC208V	MC-18B-AC230V	MC-18B-AC480V
22A	40A	2	3	7.5	10	15	20	1	1	MC-22B-AC24V	MC-22B-DC24V	MC-22B-AC120V	MC-22B-AC208V	MC-22B-AC230V	MC-22B-AC480V
40AF FRAME															
32A	50A	2	5	7.5	10	20	25	2	2	MC-32A-AC24V	MC-32A-DC24V	MC-32A-AC320V	MC-32A-AC208V	MC-32A-AC230V	MC-32A-AC480V
40A	60A	3	7.5	15	15	30	30	2	2	MC-40A-AC24V	MC-40A-DC24V	MC-40A-AC120V	MC-40A-AC208V	MC-40A-AC230V	MC-40A-AC480V
65AF FRAME															
50A	70A	3	10	20	25	40	50	2	2	MC-50A-AC24V	MC-50A-DC24V	MC-50A-AC120V	MC-50A-AC208V	MC-50A-AC230V	MC-50A-AC480V
65A	100A	5	15	25	30	50	60	2	2	MC-65A-AC24V	MC-65A-DC24V	MC-65A-AC120V	MC-65A-AC208V	MC-65A-AC230V	MC-65A-AC480V
100AF FRAME															
75A	110A	5	15	25	30	50	60	2	2	MC-75A-AC24V	MC-75A-DC24V	MC-75A-AC120V	MC-75A-AC208V	MC-75A-AC230V	MC-75A-AC480V
85A	135A	7.5	15	30	40	60	75	2	2	MC-85A-AC24V	MC-85A-DC24V	MC-85A-AC120V	MC-85A-AC208V	MC-85A-AC230V	MC-85A-AC480V
105A	160A	10	20	30	40	75	75	2	2	MC-100A-AC24V	MC-100A-DC24V	MC-100A-AC120V	MC-100A-AC208V	MC-100A-AC230V	MC-100A-AC480V
150AF FRAME with Lug Terminals															
130A	160A	10	20	40	40	75	75	2	2	MC-130A-AC24V	MC-130A-DC24V	MC-130A-AC120V	MC-130A-AC208V	MC-130A-AC230V	MC-130A-AC480V
150A	210A	15	25	40	50	100	75	2	2	MC-150A-AC24V	MC-150A-DC24V	MC-150A-AC120V	MC-150A-AC208V	MC-150A-AC230V	MC-150A-AC480V
225AF FRAME															
185A	230A	15	30	60	60	125	125	2	2	MC-185A-24V	MC-185A-48V	MC-185A-110/220V	MC-185A-300V	MC-185A-400V	MC-185A-500V
225A	275A	15	40	60	75	150	150	2	2	MC-225A-24V	MC-225A-48V	MC-225A-110/220V	MC-225A-300V	MC-225A-400V	MC-225A-500V
400AF FRAME															
265A	300A	-	-	75	100	200	200	2	2	-	-	MC-265A-110/220V	MC-265A-300V	MC-265A-400V	MC-265A-500V
330A	350A	-	-	100	125	250	250	2	2	-	-	MC-330A-110/220V	MC-330A-300V	MC-330A-400V	MC-330A-500V
400A	450A	-	-	125	150	300	300	2	2	-	-	MC-400A-110/220V	MC-400A-300V	MC-400A-400V	MC-400A-500V
400AF FRAME															
500A	580A	-	-	150	200	400	400	2	2	-	MC-500A-100V	MC-500A-200V	MC-500A-300V	MC-500A-400V	MC-500A-500V
630A	660A	-	-	200	250	500	500	2	2	-	MC-630A-100V	MC-630A-200V	MC-630A-300V	MC-630A-400V	MC-630A-630V
800A	900A	-	-	200	300	600	600	2	2	-	MC-800A-100V	MC-800A-200V	MC-800A-300V	MC-800A-400V	MC-800A-800V

* Lug terminals available; please add "L" to the end of the part number.



Setting Range (A)	For Frame Size							
	22AF	40AF	65AF	100AF	150AF	225AF	400AF	800AF
0.1-0.16A	MT-32/3K-0.16	MT-32/3K-0.16						
0.16-0.25A	MT-32/3K-0.25	MT-32/3K-0.25						
0.25-0.4A	MT-32/3K-0.4	MT-32/3K-0.4						
0.4-0.63A	MT-32/3K-0.63	MT-32/3K-0.63						
0.63-1A	MT-32/3K-1	MT-32/3K-1						
1-1.6A	MT-32/3K-1.6	MT-32/3K-1.6						
1.6-2.5A	MT-32/3K-2.5	MT-32/3K-2.5						
2.4-4A	MT-32/3K-4	MT-32/3K-4						
4-6A	MT-32/3K-6	MT-32/3K-6	MT-63/3K-6					
5-8A	MT-32/3K-8	MT-32/3K-8	MT-63/3K-8					
6-9A	MT-32/3K-9	MT-32/3K-9	MT-63/3K-9					
7-10A	MT-32/3K-10	MT-32/3K-10	MT-63/3K-10	MT-95/3K-10				
9-13A	MT-32/3K-13	MT-32/3K-13	MT-63/3K-13	MT-95/3K-13				
12-18A	MT-32/3K-18	MT-32/3K-18	MT-63/3K-18	MT-95/3K-18				
16-22A	MT-32/3K-22	MT-32/3K-22	MT-63/3K-22	MT-95/3K-22				
18-25A	MT-32/3K-25	MT-32/3K-25	MT-63/3K-25	MT-95/3K-25				
22-32A	MT-32/3K-32	MT-32/3K-32		MT-95/3K-32				
24-36A				MT-95/3K-36				
28-40A	MT-32/3K-40	MT-32/3K-40	MT-63/3K-40	MT-95/3K-40				
34-50A				MT-63/3K-50	MT-95/3K-50	MT-150/3K-50		
45-65A				MT-63/3K-65	MT-95/3K-65	MT-150/3K-65		
54-75A					MT-95/3K-75	MT-150/3K-75		
63-85A					MT-95/3K-85	MT-150/3K-85		
65-100A						MT-150/3K-105	MT-225/3K-100	
70-95A				MT-95/3K-95				
80-100A				MT-95/3K-100				
85-125A						MT-225/3K-125	MT-400/3K-125	
95-130A					MT-150/3K-130			
110-150A					MT-150/3K-150			
100-160A						MT-225/3K-160	MT-400/3K-160	
120-185A						MT-225/3K-185	MT-400/3K-185	
160-240A						MT-225/3K-240	MT-400/3K-240	
200-330A							MT-400/3K-330	MT-800/3K-330
260-400A							MT-400/3K-400	MT-800/3K-400
400-630A								MT-800/3K-630
520-800A								MT-800/3K-800

Auxiliary Contacts



For Frame Sizes 22AF - 150AF

Type	Configuration	Part Number
Side Mount	1NO/1NC	UA-1-11
Front Mount	2NO	UA-2-20
	1NO/1NC	UA-2-11
	2NC	UA-2-02
	4NO	UA-4-40
	3NO/1NC	UA-4-31
	2NO/2NC	UA-4-22
	1NO/3NC	UA-4-13
	4NC	US-4-04

For Frame Sizes 225AF - 800AF

Type	Configuration	Part Number
Side Mount	1NO/1NC	UA-100-11

Overload Bases

For Separate Overload Mounting



Relay Series	Part Number
MT-32	UZ-32
MT-63	UZ-63/S
MT-95	UZ-95/S
MT-150	UZ-150A

Lug Terminals

For 225AF, 400AF & 800AF Frames



Frame Size	Part Number
225AF	AJ-200
400AF	AJ-400
800AF	AJ-800A

For Frame Sizes 22AF - 100AF



Type	For Coil Voltages	Varistor	Resistor	Capacitor	Part Number
Resistor	24-48VAC	120V	100 Ω	0.1μF	US-1
	100-125VAC	270V	100 Ω	0.1μF	US-2
	200-240VAC	470V	100 Ω	0.1μF	US-3
Capacitor	24-48DC	120V	100 Ω	0.47μF	US-4
	100-125VDC	270V	100 Ω	0.47μF	US-5
Varistor	200-220VDC	470V	100 Ω	0.47μF	US-6
	24-48VAC/DC	120V	-	-	US-11
Varistor	100-125VAC/DC	270V	-	-	US-12
Only	200-240VAC/DC	470V	-	-	US-13
	380-440VAC/DC	1000V	-	-	US-14
RC Only	100-125VAC	-	56 Ω	0.1μF	US-22

Reversing Contactors

Includes two matching contactors, mechanical interlock and wiring set (up to 100A)



MC-40A/R



MC-65A/R



MC-100A/R

Types	Types	Types
MC-9B/R*	MC-65A/R*	MC-225A/R*
MC-12B/R*	MC-75A/R*	MC-265A/R*
MC-18B/R*	MC-85A/R*	MC-330A/R*
MC-22B/R*	MC-100A/R*	MC-400A/R*
MC-32A/R*	MC-130A/R*	MC-500A/R*
MC-40A/R*	MC-150A/R*	MC-630A/R*
MC-50A/R*	MC-185A/R*	MC-800A/R*

* To create a complete part number add the coil voltage after the /R.
See individual contactors for available coil voltages (eg MC-9B/R-AC120V).

Reversing Contactor Components

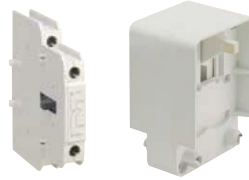
Wiring Kits



UW-XX

Contactors Frame Size	Part Number
MC-9B to MC-22B	UW-22
MC-32A to MC-40A	UW-32
MC-50A, MC-65A	UW-63
MC-75A, MC-100A	UW-95

Mechanical Interlocks



UR-02

AR-180

Contactors Frame Size	Part Number
MC-9B to MC-100A	UR-02*
MC-180A to MC-400A	AR-180
MC-500A to MC-800A	AR-600

Mini Contactors



Amperage AC-3 @ AC-1 380/440V	AC-1	HP Rating			Auxiliary		Coil Voltage							
		Single Phase 110- 120V 240V	Two Phase 220V 240V	Three Phase 240V 480V 600V	NO	NC	12 VDC	24 VDC	24 VAC	120 VAC	208 VAC	230 VAC		
6A	20A	0.5	1	1.5	3	3	1	0	GMD-6M-10-DC12V	GMD-6M-10-DC24V	GMC-6M-10-AC24V	GMC-6M-10-AC120V	GMC-6M-10-AC208V	GMC-6M-10-AC230V
9A	20A	0.5	1.5	3	5	5	1	0	GMD-9M-10-DC12V	GMD-9M-10-DC24V	GMC-9M-10-AC24V	GMC-9M-10-AC120V	GMC-9M-10-AC208V	GMC-9M-10-AC230V
12A	20A	1	2	3	7.5	10	1	0	GMD-12M-10-DC12V	GMD-12M-10-DC24V	GMC-12M-10-AC24V	GMC-12M-10-AC120V	GMC-12M-10-AC208V	GMC-12M-10-AC230V

Overload Relays

Setting Ranges (A)	Part Numbers
0.1-0.16A	GTK-12M-0.16
0.16-0.25A	GTK-12M-0.25
0.25-0.4A	GTK-12M-0.4
0.4-0.63A	GTK-12M-0.63
0.63-1A	GTK-12M-1
1-1.6A	GTK-12M-1.6
1.6-2.5A	GTK-12M-2.5
2.4-4A	GTK-12M-4
4-6A	GTK-12M-6
5-8A	GTK-12M-8
6-9A	GTK-12M-9
7-10A	GTK-12M-10

Auxiliary Contacts

Mounting	Contacts	Part Numbers
Side	1NO	AU-1M-10
	1NC	AU-1M-01
	2NO	AU-2M-20
	2NC	AU-2M-02
Front	1NO/1NC	AU-2M-11
	4NO	AU-4M-40
	3NO/1NC	AU-4M-31
	2NO/2NC	AU-4M-22
	1NO/3NC	AU-4M-13
	4NC	AU-4M-04

Surge Suppression (Varistor)

Coil Voltage	Part Numbers
24-48VAC	AS-12M/1
60-127VAC	AS-12M/2
200-240VAC	AS-12M/3
12-24VDC	AS-12M/4
30-72VDC	AS-12M/5
100-127VDC	AS-12M/6
200-250VDC	AS-12M/7

For Mini contactors - 6A to 12A

Reversing Contactor Kit

Includes wire harness & interlock

Contactors Type	Part Number
6A to 12A	AR-12M

Separate Mounting Base for Overload Relays

Contactors Type	Part Number
6A to 12A	AR-12M