

Contactors (22AF)

Description

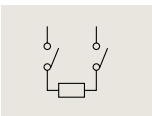
- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- AC or DC control in different physical size
- Front/side mountable accessories available
- Direct mountable overload relay available Rating
- 1NO1NC Auxiliary contact built-in as standard.
- UA-1 is available on only left side
- Degree of protection: IP20



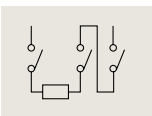
MC-22b

Rating

Contactor type			MC-9b		MC-12b		MC-18b		MC-22b		
			kW	A	kW	A	kW	A	kW	A	
AC duty	AC3	200/240V	2.5	11	3.5	13	4.5	18	5.5	22	
		380/440V	4	9	5.5	12	7.5	18	11	22	
		500/550V	4	7	7.5	12	7.5	13	15	20	
		690V	4	6	7.5	9	7.5	9	15	18	
	AC4	200/240V	1.5	8	2.2	11	3.7	16	3.7	18	
		380/440V	2.2	6	4	9	4	11	5.5	13	
	AC1		-	25	-	27	-	40	-	45	
DC1 duty (L/R=1ms)	2-pole	24V	-	10	-	12	-	18	-	20	
		in series	48V	-	10	-	12	-	18	-	20
		110V	-	6	-	10	-	13	-	15	
	3-pole	24V	-	10	-	12	-	18	-	20	
		in series	48V	-	10	-	12	-	18	-	20
		110V	-	8	-	12	-	18	-	20	
DC3,4 duty (L/R=15ms)	2-pole	24V	-	8	-	12	-	12	-	20	
		in series	48V	-	4	-	6	-	6	-	15
		110V	-	2.5	-	4	-	4	-	8	
	3-pole	24V	-	8	-	12	-	12	-	20	
		in series	48V	-	6	-	10	-	10	-	20
		110V	-	4	-	8	-	8	-	15	
Directly mountable Overload relay			MT-32								
Conductor size (solid, stranded)		AWG	16~10		16~8		14~8		14~8		
(the max. number of conducts: 2)		mm ²	1.5~4		1.5~10		2.5~10		2.5~10		
Conductor type			65/75°C Cu-wire only								



2pole for DC contact



3pole for DC contact



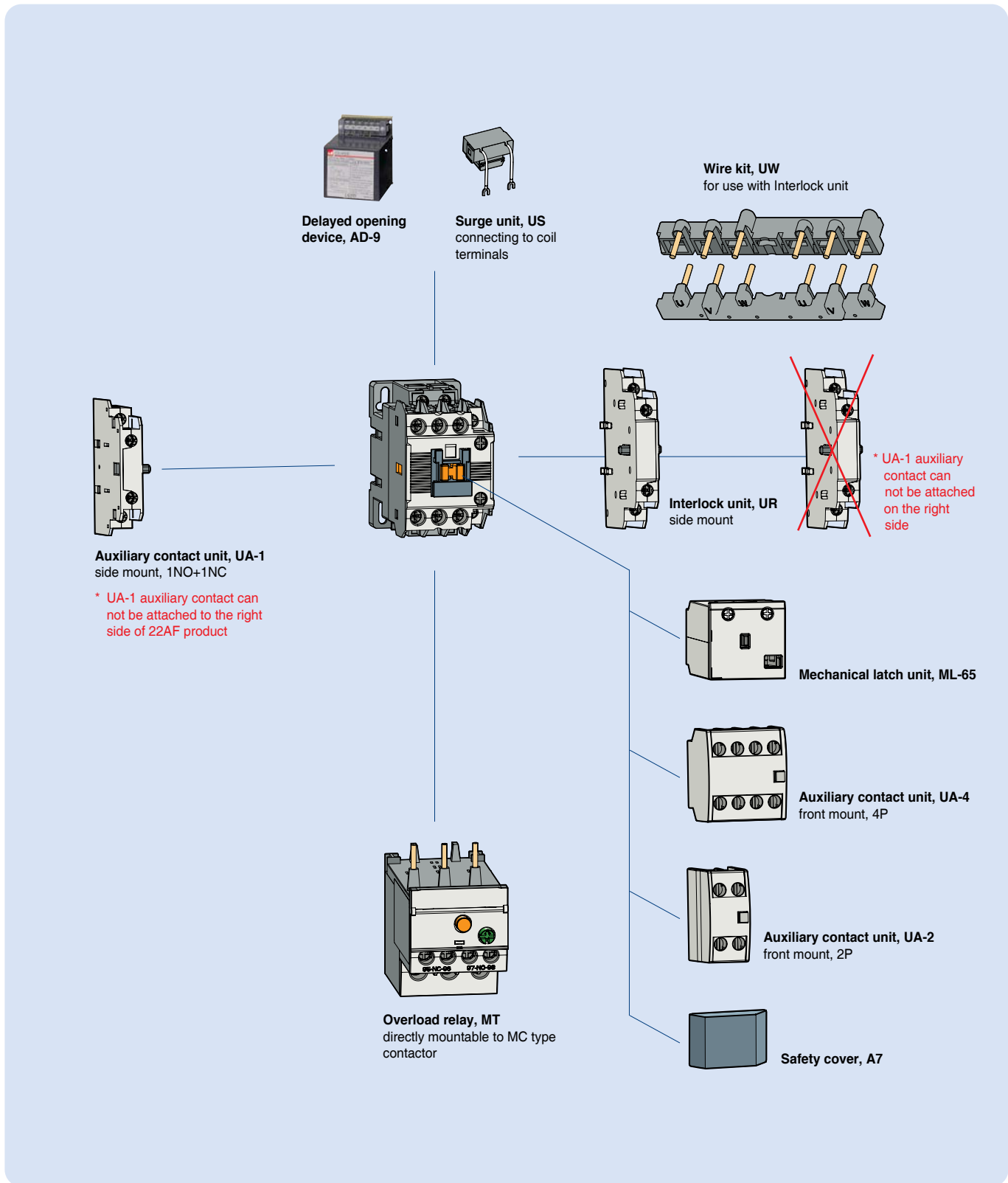
Coil voltage

AC	50Hz	24, 32, 36, 42, 48, 80, 100, 110, 120, 220, 230, 240, 380, 400, 415, 440, 500, 550V
	60Hz	24, 48, 110, 120, 200, 208, 220, 230, 240, 277, 380, 440, 480, 600V
DC	DC	12, 20, 24, 30, 48, 60, 80, 100, 110, 125, 200, 220, 250V

Certification
• CE(IEC)
• UL508
• CCC

* Please be cautious for wiring control power cable, especially "+" (Positive) and "-" (Negative) polarity should be correctly considered.

Accessories



Contactors (40AF)

Description

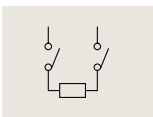
- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- AC or DC control in different physical size
- Front/side mountable accessories available
- Direct mountable overload relay available Rating
- 2NO2NC Auxiliary contact built-in is possible as standard
- Degree of protection: IP20

Rating

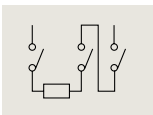


MC-40a

Contactor type			MC-32a		MC-40a		
			kW	A	kW	A	
AC duty	AC3	200/240V	7.5	32	11	40	
		380/440V	15	32	18.5	40	
		500/550V	18.5	28	22	32	
		690V	18.5	20	22	23	
		1000V	22	17	22	17	
	AC4	200/240V	4.5	20	5.5	25	
		380/440V	7.5	17	11	24	
	AC1		-	55	-	60	
DC1 (L/R=1ms)	2-pole	24V	-	25	-	35	
		in series	48V	-	25	-	35
		110V	-	25	-	25	
	3-pole	24V	-	25	-	35	
		in series	48V	-	25	-	35
		110V	-	25	-	35	
DC3,4 (L/R=15ms)	2-pole	24V	-	25	-	35	
		in series	48V	-	20	-	20
		110V	-	10	-	10	
	3-pole	24V	-	25	-	35	
		in series	48V	-	25	-	30
		110V	-	20	-	20	
Directly mountable Overload relay			MT-32				
Conductor size (solid, stranded) (the max. number of conducts: 2)	AWG		12~8		8~6		
	mm ²		2.5~10		10~16		
Conductor type			65/75°C Cu-wire only				



2pole for DC contact



3pole for DC contact



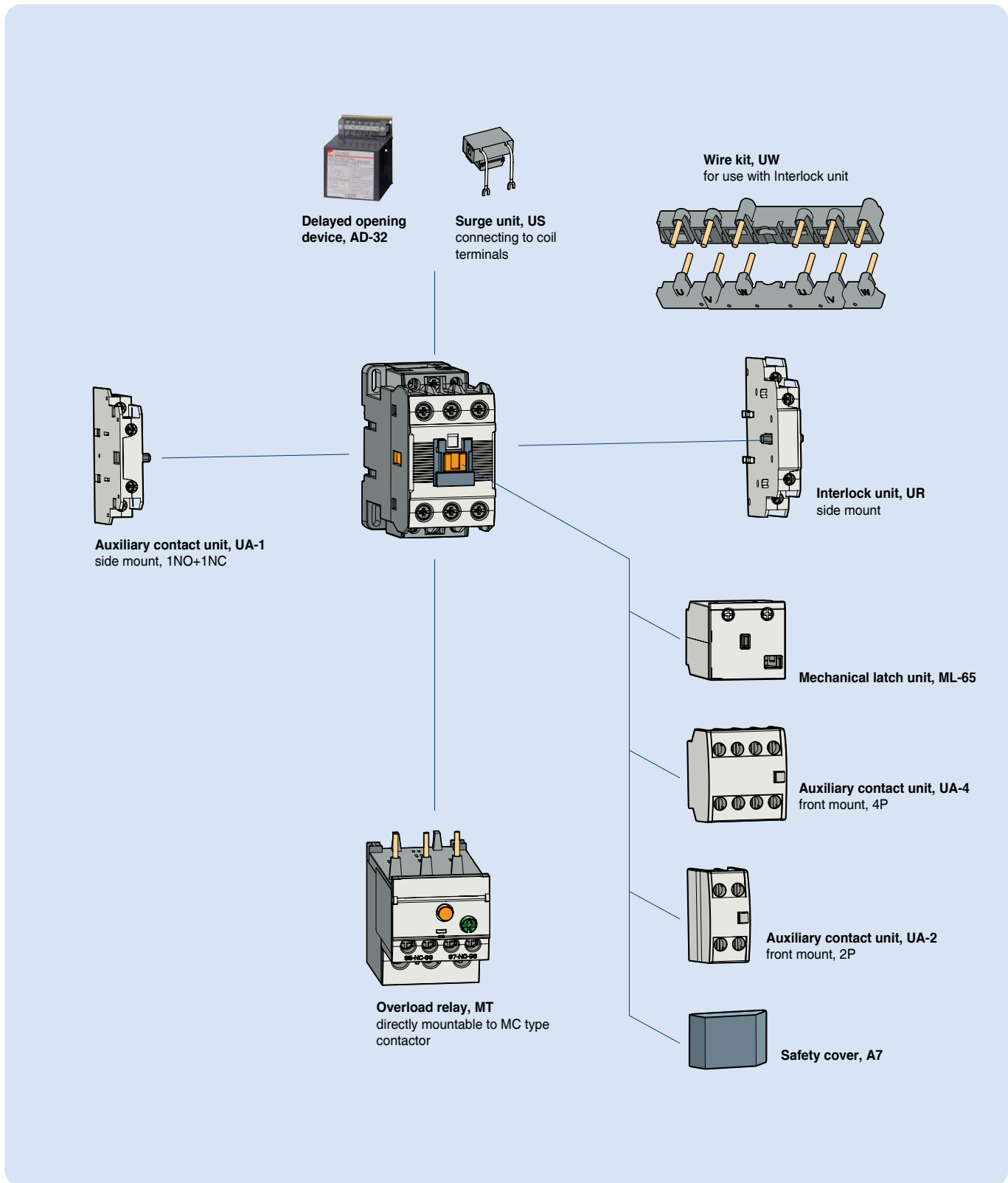
Coil voltage

AC	50Hz	24, 32, 36, 42, 48, 80, 100, 110, 120, 220, 230, 240, 380, 400, 415, 440, 500, 550V
	60Hz	24, 48, 110, 120, 200, 208, 220, 230, 240, 277, 380, 440, 480, 600V
DC	DC	12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

Certification

- CE(IEC)
- UL508
- CCC

Accessories



Contactors (65AF)

Description

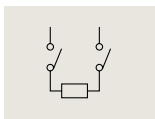
- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- Both screw and Box terminal (lug) type are available
- AC or DC control in different physical size
- Front/side mountable accessories available
- Direct mountable overload relay available rating
- 2NO2NC Auxiliary contact built-in is possible as standard
- Degree of protection: IP20



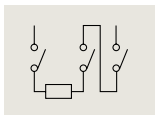
MC-65a

Rating

Contactor type			MC-50a		MC-65a		
			kW	A	kW	A	
AC duty	AC3	200/240V	15	55	18.5	65	
		380/440V	22	50	30	65	
		500/550V	30	43	33	60	
		690V	30	28	33	35	
		1000V	30	23	30	23	
	AC4	200/240V	7.5	35	11	50	
		380/440V	15	32	22	47	
	AC1		-	100	-	115	
	DC1 duty (L/R=1ms)	2-pole	24V	-	50	-	50
in series			48V	-	40	-	40
110V			-	35	-	35	
3-pole		24V	-	50	-	65	
		in series	48V	-	50	-	65
		110V	-	50	-	65	
DC3, 4 duty (L/R=15ms)	2-pole	24V	-	45	-	45	
		in series	48V	-	25	-	25
		110V	-	15	-	15	
	3-pole	24V	-	50	-	50	
		in series	48V	-	35	-	35
		110V	-	30	-	30	
Directly mountable Overload relay			MT-63				
Conductor size (solid, stranded)	AWG		10~4		8~3		
	(the max. number of conducts: 2)	mm ²	6~25		10~35		
Conductor type			65/75°C Cu-wire only				



2pole for DC contact



3pole for DC contact



Coil voltage

AC	50Hz	24, 32, 36, 42, 48, 80, 100, 110, 120, 220, 230, 240, 380, 400, 415, 440, 500, 550V
	60Hz	24, 48, 110, 120, 200, 208, 220, 230, 240, 277, 380, 440, 480, 600V
DC	DC	12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

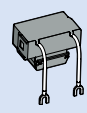
Certification

- CE(IEC)
- UL508
- CCC

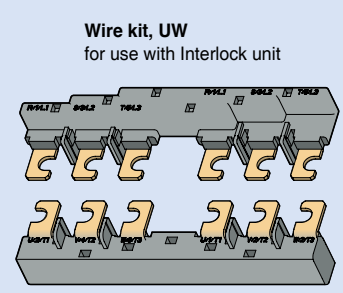
Accessories



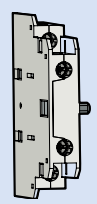
Delayed opening device, AD-50



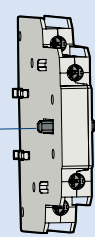
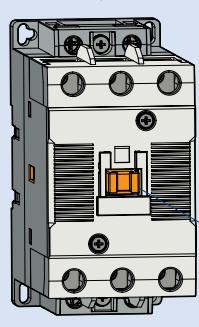
Surge unit, US
connecting to coil terminals



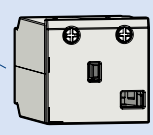
Wire kit, UW
for use with Interlock unit



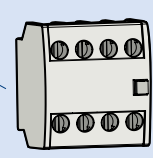
Auxiliary contact unit, UA-1
side mount, 1NO+1NC



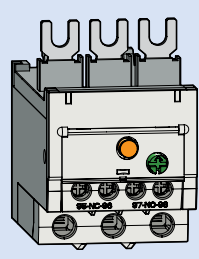
Interlock unit, UR
side mount



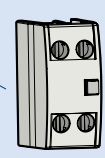
Mechanical latch unit, ML-65



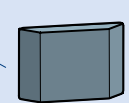
Auxiliary contact unit, UA-4
front mount, 4P



Overload relay, MT
directly mountable to MC type contactor



Auxiliary contact unit, UA-2
front mount, 2P



Safety cover, A7

Contactors (100AF)

Description

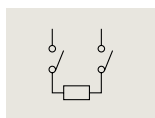
- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- Both screw and Box terminal (lug) type are available
- AC or DC control in different physical size
- Front/side mountable accessories available
- Direct mountable overload relay available Rating
- 2NO2NC Auxiliary contact built-in is possible as standard
- Degree of protection: IP20

Rating

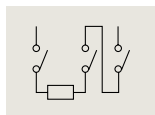


MC-100a

Contactor type			MC-75a		MC-85a		MC-100a		
			kW	A	kW	A	kW	A	
AC duty	AC3	200/240V	22	75	25	85	30	105	
		380/440V	37	75	45	85	55	105	
		500/550V	37	64	45	75	55	85	
		690V	37	42	45	45	45	65	
		1000V	37	28	37	28	37	28	
	AC4	200/240V	13	55	15	65	19	80	
		380/440V	25	52	30	62	37	75	
	AC1		-	125	-	135	-	160	
	DC1 duty (L/R=1ms)	2-pole	24V	-	75	-	80	-	100
in series			48V	-	65	-	65	-	100
110V			-	50	-	50	-	80	
3-pole		24V	-	75	-	80	-	100	
		in series	48V	-	75	-	80	-	100
		110V	-	75	-	80	-	100	
DC3, 4 duty (L/R=15ms)	2-pole	24V	-	65	-	65	-	100	
		in series	48V	-	40	-	40	-	60
		110V	-	20	-	20	-	40	
	3-pole	24V	-	80	-	80	-	100	
		in series	48V	-	60	-	60	-	90
		110V	-	50	-	50	-	80	
Directly mountable Overload relay			MT-95						
Conductor size (solid, stranded)	AWG		8~2		8~0		8~00		
	(the max. number of conducts: 2)	mm ²	10~35		10~50		10~70		
Conductor type			65/75°C Cu-wire only						



2pole for DC contact



3pole for DC contact



Coil voltage

AC	50Hz	24, 32, 36, 42, 48, 80, 100, 110, 120, 220, 230, 240, 380, 400, 415, 440, 500, 550V
	60Hz	24, 48, 110, 120, 200, 208, 220, 230, 240, 277, 380, 440, 480, 600V
DC	DC	12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

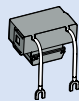
Certification

- CE(IEC)
- UL508
- CCC

Accessories

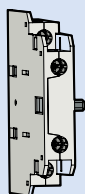
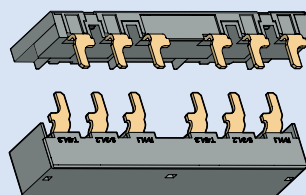


Delayed opening device, AD-50

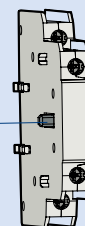
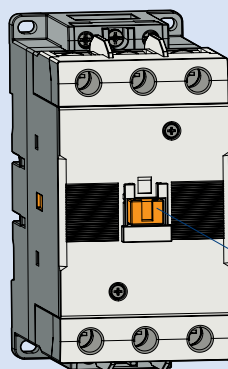


Surge unit, US
connecting to coil terminals

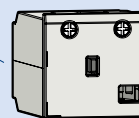
Wire kit, UW
for use with Interlock unit



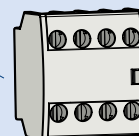
Auxiliary contact unit, UA-1
side mount, 1NO+1NC



Interlock unit, UR
side mount



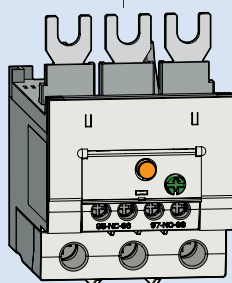
Mechanical latch unit, ML-150



Auxiliary contact unit, UA-4
front mount, 4P



Auxiliary contact unit, UA-2
front mount, 2P



Overload relay, MT
directly mountable to MC type
contactor



Safety cover, A7

Contactors (150AF)

Description

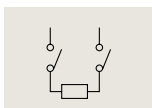
- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- Both screw and Box terminal (lug) type are available
- AC or DC control in the same physical size
- Front/side mountable accessories available
- Direct mountable overload relay available
- 2NO2NC Auxiliary contact built-in is possible as standard
- Degree of protection: IP20



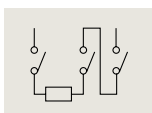
MC-150a

Rating

Contactor type			MC-130a		MC-150a		
			kW	A	kW	A	
AC duty	AC3	200/240V	37	130	45	150	
		380/440V	60	130	75	150	
		500/550V	60	90	70	100	
		690V	55	60	55	60	
		1000V	75	50	75	50	
	AC4	200/240V	22	93	30	120	
		380/440V	45	90	55	110	
	AC1		-	200	-	250	
DC1 duty (L/R=1ms)	2-pole	24V	-	120	-	150	
		in series	48V	-	100	-	120
			110V	-	80	-	100
	3-pole	24V	-	120	-	150	
		in series	48V	-	120	-	150
			110V	-	100	-	150
DC3,4 duty (L/R=15ms)	2-pole	24V	-	120	-	150	
		in series	48V	-	60	-	100
			110V	-	40	-	80
	3-pole	24V	-	120	-	150	
		in series	48V	-	90	-	130
			110V	-	80	-	120
Directly mountable Overload relay			MT-150				
Conductor size (solid, stranded)		AWG	3~00		3~4/0		
(the max. number of conductors: 2)		mm ²	35~70		35~95		
Conductor type			65/75°C Cu-wire only				



2pole for DC contact



3pole for DC contact

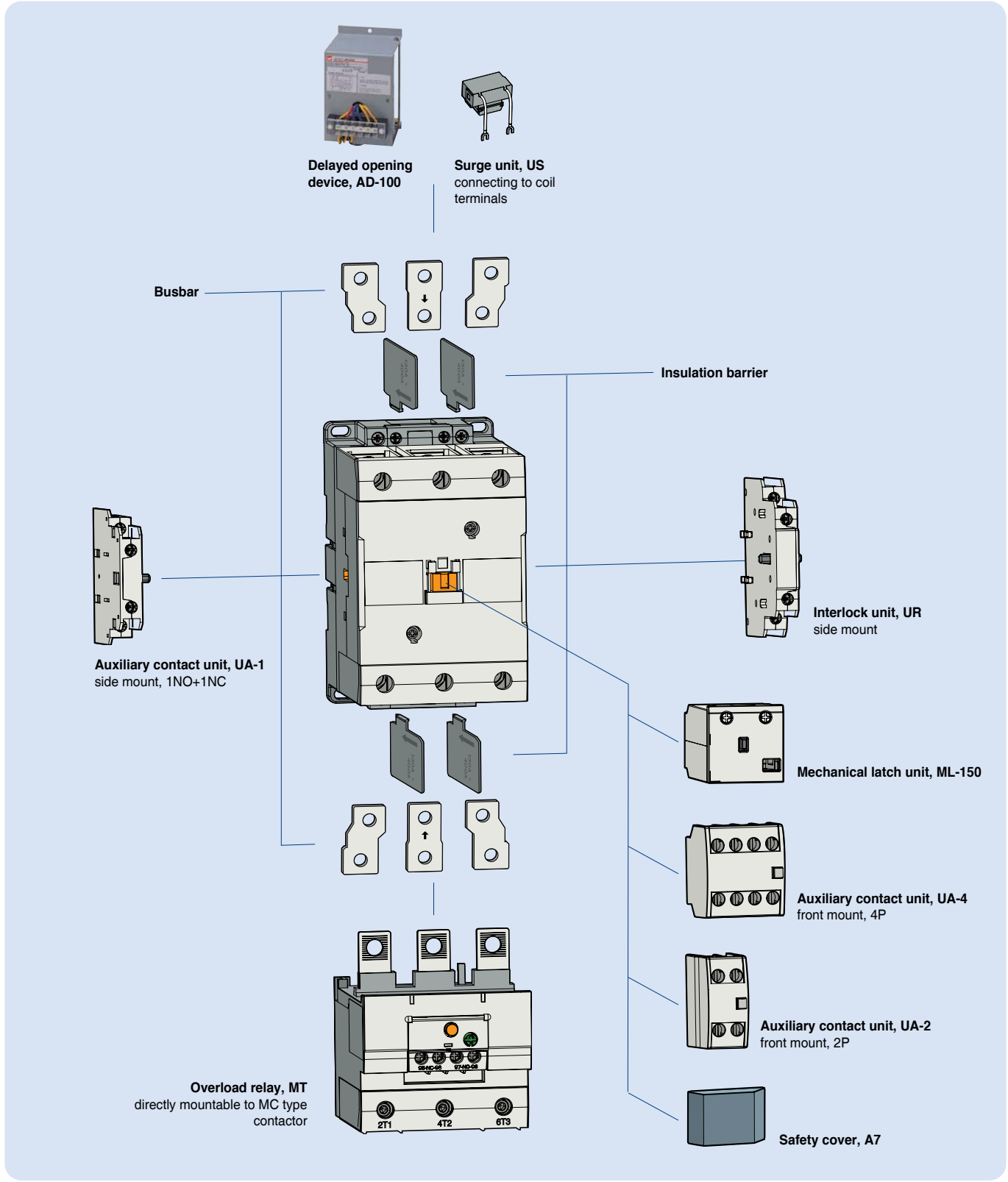


Coil voltage

AC/DC	100~240 / 100~220 / 24~48
AC	50/60Hz 24, 48, 100~240, 110~120, 220~240, 300, 380~440, 500V
DC	DC 24, 48, 70~110, 100~220, 110, 220V

Certification
•CE(IEC)
•UL508
•CCC

Accessories



Contactors (225AF)

Description

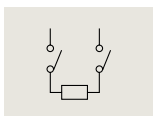
- 3-pole main contact
- AC/DC common use coil built
- Wide coil operation voltage
- Screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Top/side mountable accessories available
- Direct mountable overload relays available
- Degree of protection: IP00

Rating

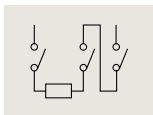


MC-225a

Contactor type			MC-185a		MC-225a		
			kW	A	kW	A	
AC duty	AC3	200/240V	55	185	75	225	
		380/440V	90	185	132	225	
		500/550V	110	180	132	200	
		690V	110	120	140	150	
		1000V	132	90	132	90	
	AC4	200/240V	37	150	45	180	
		380/440V	75	150	90	180	
	AC1		-	300	-	350	
DC1 duty (L/R=1ms)	2-pole	24V	-	180	-	220	
		in series	48V	-	180	-	180
		110V	-	150	-	150	
	3-pole	24V	-	180	-	220	
		in series	48V	-	180	-	220
		110V	-	180	-	220	
DC3, 4 duty (L/R=15ms)	2-pole	24V	-	180	-	220	
		in series	48V	-	150	-	150
		110V	-	120	-	120	
	3-pole	24V	-	180	-	220	
		in series	48V	-	180	-	220
		110V	-	150	-	150	
Directly mountable Overload relay			MT-225				
Conductor size (solid, stranded) (the max. number of conductors: 2)	AWG		1~4/0		0~300		
	mm ²		50~95		50~150		
Conductor type			75°C Cu stranded wire				



2pole for DC contact



3pole for DC contact

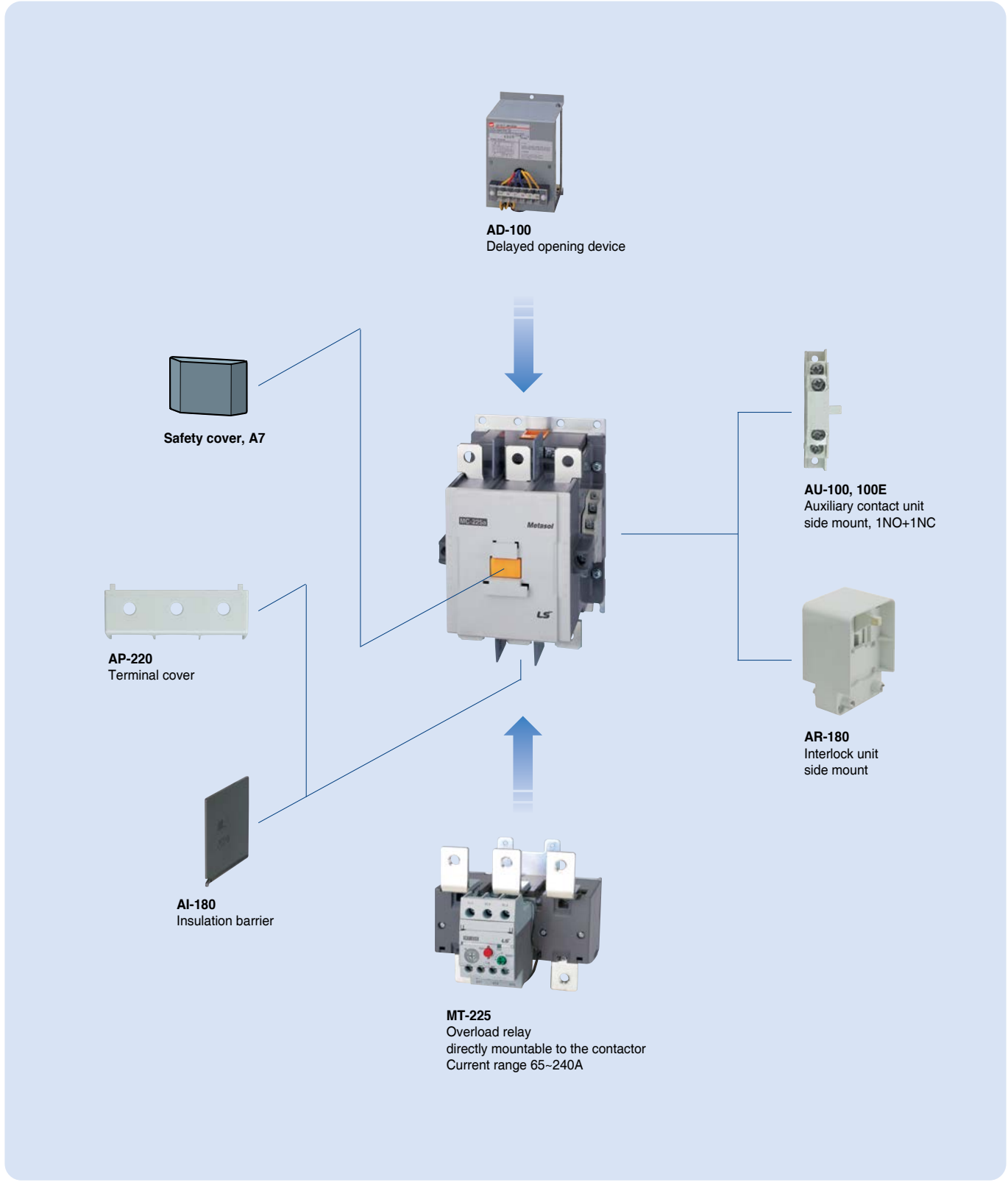


Coil voltage, AC/DC common

Nominal(ordering) voltage	AC 50/60Hz	DC
24V	24 - 25V	24V
48V	48 - 50V	48V
100/200V	100 - 240V	100 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-

Certification
•CE(IEC)
•UL508
•CCC

Accessories



Contactors (400AF)

Description

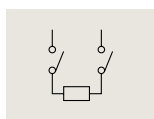
- 3-pole main contact
- AC/DC common use coil built
- Wide coil operation voltage
- Screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Top/side mountable accessories available
- Direct mountable overload relays available
- Degree of protection: IP00

Rating

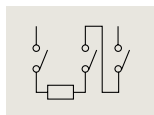


MC-400a

Contactor type			MC-265a		MC-330a		MC-400a		
			kW	A	kW	A	kW	A	
AC duty	AC3	200/240V	80	265	90	330	125	400	
		380/440V	147	265	160	330	200	400	
		500/550V	147	225	160	280	225	350	
		690V	160	185	200	220	250	300	
		1000V	147	105	147	105	147	105	
	AC4	200/240V	50	200	55	220	75	300	
		380/440V	102	200	110	220	150	300	
	AC1		-	400	-	500	-	520	
	DC1 duty (L/R=1ms)	2-pole	24V	-	220	-	300	-	400
in series			48V	-	180	-	240	-	240
110V			-	150	-	200	-	200	
3-pole		24V	-	220	-	300	-	400	
		in series	48V	-	220	-	300	-	400
		110V	-	220	-	300	-	400	
DC3, 4 duty (L/R=15ms)	2-pole	24V	-	220	-	300	-	400	
		in series	48V	-	150	-	200	-	200
		110V	-	120	-	150	-	150	
	3-pole	24V	-	220	-	300	-	400	
		in series	48V	-	220	-	280	-	280
		110V	-	150	-	200	-	200	
Directly mountable Overload relay			MT-400						
Conductor size (solid, stranded)	AWG		3/0~500		4/0~500		350~700		
	(the max. number of conductors: 2)	mm ²	95~240		95~240		185~370		
Conductor type			75°C Cu stranded wire						



2pole for DC contact



3pole for DC contact



Coil voltage, AC/DC common

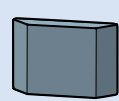
Nominal(ordering) voltage	AC 50/60Hz	DC
100/200V	100 - 240V	100 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-

Certification
•CE(IEC)
•UL508
•CCC

Accessories



AD-300
Delayed opening device



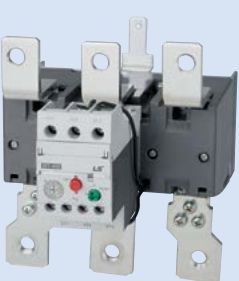
Safety cover, A7



AP-400
Terminal cover



AI-180
Insulation barrier



MT-400
Overload relay
directly mountable to the contactor
Current range 85-400A



AU-100, 100E
Auxiliary contact unit
side mount, 1NO+1NC



AR-180
Interlock unit
side mount



Contactors (800AF)

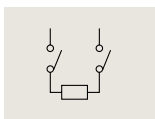
Description

- 3-pole main contact
- AC/DC common use coil built
- Wide coil operation voltage
- Screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Top/side mountable accessories available
- Overload relays available
- Degree of protection: IP00

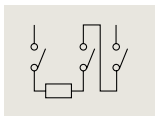
Rating



Contactor type			MC-500a		MC-630a		MC-800a		
			kW	A	kW	A	kW	A	
AC duty	AC3	200/240V	147	500	190	630	220	800	
		380/440V	265	500	330	630	440	800	
		500/550V	265	400	330	500	500	720	
		690V	300	380	400	420	500	630	
		1000V	280	220	280	220	280	220	
	AC4	200/240V	90	350	110	400	160	630	
		380/440V	176	350	200	400	300	630	
	AC1		-	700	-	900	-	1050	
DC1 duty (L/R=1ms)	2-pole	24V	-	400	-	630	-	800	
		in series	48V	-	240	-	630	-	800
		110V	-	200	-	630	-	630	
	3-pole	24V	-	400	-	630	-	800	
		in series	48V	-	400	-	630	-	800
		110V	-	400	-	630	-	800	
DC3, 4 duty (L/R=15ms)	2-pole	24V	-	400	-	630	-	800	
		in series	48V	-	200	-	630	-	630
		110V	-	150	-	630	-	630	
	3-pole	24V	-	400	-	630	-	800	
		in series	48V	-	280	-	630	-	630
		110V	-	200	-	630	-	630	
Directly mountable Overload relay			MT-800						
Conductor size (solid, stranded) (the max. number of conducts: 2)		AWG	350~800		600~2000		1700~Busbar		
		mm ²	185~480		-		-		
Conductor type			75°C Cu stranded wire						



2pole for DC contact



3pole for DC contact



Coil voltage, AC/DC common

Nominal(ordering) voltage	AC 50/60Hz	DC
100V	100 - 127V	100 - 110V
200V	200 - 240V	200 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-

Certification
•CE(IEC)
•UL508
•CCC

Accessories

