

UL 60947-4-1 Ratings

 Starters with CA8/CAU8 Contactors and KT9 MPCBs¹
Suitable for Group Installation on load side of KT9 Manual Motor Controller; Type 1 Short-Circuit Coordination Only

Cat. No.		MPCB	Motor Current Adjustment Range [A]	Connection Module	Reversing Power Wiring Kit	Min Contactor Size ①	SCCR [kA]		Max Fuse or Circuit Breaker per NEC [A]
DOL Starters	Reversing Starters						Type 1 Coordination		
							480V AC	600V AC	
C-Frame MPCB with CA8/CAU8 Contactors									
CLE-809*10-CA16X	CLUE-809*22-CA16X	KTA9-32S-0.16A	0.10...0.16	KT9-32S-PEK12	CAUT8-PW	CA8-09	65	50	450
CLE-809*10-CA25X	CLUE-809*22-CA25X	KTA9-32S-0.25A	0.16...0.25			CA8-09	65	50	450
CLE-809*10-CA40X	CLUE-809*22-CA40X	KTA9-32S-0.40A	0.25...0.40			CA8-09	65	50	450
CLE-809*10-CA63X	CLUE-809*22-CA63X	KTA9-32S-0.63A	0.40...0.63			CA8-09	65	50	450
CLE-809*10-CB10X	CLUE-809*22-CB10X	KTA9-32S-1.0A	0.63...1.0			CA8-09	65	50	450
CLE-809*10-CB16X	CLUE-809*22-CB16X	KTA9-32S-1.6A	1.0...1.6			CA8-09	65	50	450
CLE-809*10-CB25X	CLUE-809*22-CB25X	KTA9-32S-2.5A	1.6...2.5			CA8-09	65	30	450
CLE-809*10-CB40X	CLUE-809*22-CB40X	KTA9-32S-4.0A	2.5...4.0			CA8-09	65	30	450
CLE-809*10-CB63X	CLUE-809*22-CB63X	KTA9-32S-6.3A	4.0...6.3			CA8-09	65	30	450
CLE-809*10-CC10X	CLUE-809*22-CC10X	KTA9-32S-10A	6.3...10			CA8-09	65	30	450
CLE-812*10-CC10X	CLUE-812*22-CC10X	KTA9-32S-10A	6.3...10			CA8-12	65	30	450
CLE-812*10-CC16X	CLUE-812*22-CC16X	KTA9-32S-16A	10...16			CA8-12	30	30	450

Suitable for Group Installation/Disconnecting Means on load side of KT9 Manual Motor Controller; Type 1 Short-Circuit Coordination Only

C-Frame MPCB with CA8/CAU8 Contactors									
CLE-809*10-CA16X	CLUE-809*22-CA16X	KTA9-32S-0.16A	0.10...0.16	KT9-32S-PEK12	CAUT8-PW	CA8-09	65	50	450
CLE-809*10-CA25X	CLUE-809*22-CA25X	KTA9-32S-0.25A	0.16...0.25			CA8-09	65	50	450
CLE-809*10-CA40X	CLUE-809*22-CA40X	KTA9-32S-0.40A	0.25...0.40			CA8-09	65	50	450
CLE-809*10-CA63X	CLUE-809*22-CA63X	KTA9-32S-0.63A	0.40...0.63			CA8-09	65	50	450
CLE-809*10-CB10X	CLUE-809*22-CB10X	KTA9-32S-1.0A	0.63...1.0			CA8-09	65	50	450
CLE-809*10-CB16X	CLUE-809*22-CB16X	KTA9-32S-1.6A	1.0...1.6			CA8-09	65	50	450
CLE-809*10-CB25X	CLUE-809*22-CB25X	KTA9-32S-2.5A	1.6...2.5			CA8-09	65	30	450
CLE-809*10-CB40X	CLUE-809*22-CB40X	KTA9-32S-4.0A	2.5...4.0			CA8-09	65	30	450
CLE-809*10-CB63X	CLUE-809*22-CB63X	KTA9-32S-6.3A	4.0...6.3			CA8-09	65	30	450
CLE-809*10-CC10X	CLUE-809*22-CC10X	KTA9-32S-10A	6.3...10			CA8-09	65	30	450
CLE-812*10-CC10X	CLUE-812*22-CC10X	KTA9-32S-10A	6.3...10			CA8-12	65	30	450
CLE-812*10-CC16X	CLUE-812*22-CC16X	KTA9-32S-16A	10...16			CA8-12	30	30	450

① Similar for other contactor configurations (DOL or Reversing)

UL 60947-4-1 Ratings

Starters with CA8/CAU8 Contactors and KT9 MPCBs'

KT9 Combination Motor Controller as Type F Combination; Type 1 Short-Circuit Coordination Only

Cat. No.		MPCB	Motor Current Adjustment Range [A]	Connection Module	Reversing Power Wiring Kit	Min Contactor Size ①	SCCR [kA]		Max Fuse or Circuit Breaker per NEC [A]
DOL Starters	Reversing Starters						Type 1 Coordination		
							480V AC	600V AC	
C-Frame MPCB with CA8/CAU8 Contactors									
CLE-809*10-CA16X	CLUE-809*22-CA16X	KTA9-32S-0.16A	0.10...0.16	KT9-32S-PEK12	CAU8-PW	CA8-09	65	50	450
CLE-809*10-CA25X	CLUE-809*22-CA25X	KTA9-32S-0.25A	0.16...0.25			CA8-09	65	50	450
CLE-809*10-CA40X	CLUE-809*22-CA40X	KTA9-32S-0.40A	0.25...0.40			CA8-09	65	50	450
CLE-809*10-CA63X	CLUE-809*22-CA63X	KTA9-32S-0.63A	0.40...0.63			CA8-09	65	50	450
CLE-809*10-CB10X	CLUE-809*22-CB10X	KTA9-32S-1.0A	0.63...1.0			CA8-09	65	50	450
CLE-809*10-CB16X	CLUE-809*22-CB16X	KTA9-32S-1.6A	1.0...1.6			CA8-09	65	50	450
CLE-809*10-CB25X	CLUE-809*22-CB25X	KTA9-32S-2.5A	1.6...2.5			CA8-09	65	30	450
CLE-809*10-CB40X	CLUE-809*22-CB40X	KTA9-32S-4.0A	2.5...4.0			CA8-09	65	30	450
CLE-809*10-CB63X	CLUE-809*22-CB63X	KTA9-32S-6.3A	4.0...6.3			CA8-09	65	~	450
CLE-809*10-CC10X	CLUE-809*22-CC10X	KTA9-32S-10A	6.3...10			CA8-09	65	~	450
CLE-812*10-CC10X	CLUE-812*22-CC10X	KTA9-32S-10A	6.3...10			CA8-12	65	~	450
CLE-812*10-CC16X	CLUE-812*22-CC16X	KTA9-32S-16A	10...16			CA8-12	30	~	450

UL 60947-4-1 Ratings

Starters with CA7/CAU7 Contactors and KT9 MPCBs'

Suitable for Group Installation on load side of KT9 Manual Motor Controller; Type 1 Short-Circuit Coordination Only

C-Frame MPCB with CA7/CAU7 Contactors									
CLE-709*10-CA16X	CLUE-709*22-CA16X	KTA9-32S-0.16A	0.10...0.16	KT9-32S-PEC23 or KT9-32S-PNC23	CAU7-PW23	CA7-9	65	50	450
CLE-709*10-CA25X	CLUE-709*22-CA25X	KTA9-32S-0.25A	0.16...0.25			CA7-9	65	50	450
CLE-709*10-CA40X	CLUE-709*22-CA40X	KTA9-32S-0.40A	0.25...0.40			CA7-9	65	50	450
CLE-709*10-CA63X	CLUE-709*22-CA63X	KTA9-32S-0.63A	0.40...0.63			CA7-9	65	50	450
CLE-709*10-CB10X	CLUE-709*22-CB10X	KTA9-32S-1.0A	0.63...1.0			CA7-9	65	50	450
CLE-709*10-CB16X	CLUE-709*22-CB16X	KTA9-32S-1.6A	1.0...1.6			CA7-9	65	50	450
CLE-709*10-CB25X	CLUE-709*22-CB25X	KTA9-32S-2.5A	1.6...2.5			CA7-9	65	30	450
CLE-709*10-CB40X	CLUE-709*22-CB40X	KTA9-32S-4.0A	2.5...4.0			CA7-9	65	30	450
CLE-709*10-CB63X	CLUE-709*22-CB63X	KTA9-32S-6.3A	4.0...6.3			CA7-9	65	30	450
CLE-709*10-CC10X	CLUE-709*22-CC10X	KTA9-32S-10A	6.3...10			CA7-9	65	30	450
CLE-712*10-CC10X	CLUE-712*22-CC10X	KTA9-32S-10A	6.3...10			CA7-12	30	30	450
CLE-716*10-CC16X	CLUE-716*22-CC16X	KTA9-32S-16A	10...16			CA7-16	30	30	450
CLE-716*10-CC20X	CLUE-716*22-CC20X	KTA9-32S-20A	14.5...20			CA7-16	30	30	450
CLE-723*10-CC25X	CLUE-723*22-CC25X	KTA9-32S-25A	18...25	CA7-23	30	18	450		
CLE-730*10-CC25X	CLUE-730*22-CC25X	KTA9-32S-25A	18...25	-	CAU7-PW37	CA7-30	30	18	450
CLE-730*10-CC29X	CLUE-730*22-CC29X	KTA9-32S-29A	23...29			CA7-30	30	10	450
CLE-737*10-CC32X	CLUE-737*22-CC32X	KTA9-32S-32A	26.5...32			CA7-37	30	10	450
D-Frame MPCB with CA7/CAU7 Contactors									
CLE-709*10-DA63X	CLUE-709*22-DA63X	KTA9-40H-0.63A	0.40...0.63	KT9-40H-PEC23 or KT9-40H-PNC23	CAU7-PW23	CA7-9	65	50	450
CLE-709*10-DB10X	CLUE-709*22-DB10X	KTA9-40H-1.0A	0.63...1.0			CA7-9	65	50	450
CLE-709*10-DB16X	CLUE-709*22-DB16X	KTA9-40H-1.6A	1.0...1.6			CA7-9	65	50	450
CLE-709*10-DB25X	CLUE-709*22-DB25X	KTA9-40H-2.5A	1.6...2.5			CA7-9	65	30	450
CLE-709*10-DB40X	CLUE-709*22-DB40X	KTA9-40H-4.0A	2.5...4.0			CA7-9	65	30	450
CLE-709*10-DB63X	CLUE-709*22-DB63X	KTA9-40H-6.3A	4.0...6.3			CA7-9	65	30	450
CLE-709*10-DC10X	CLUE-709*22-DC10X	KTA9-40H-10A	6.3...10			CA7-9	65	30	450
CLE-712*10-DC10X	CLUE-712*22-DC10X	KTA9-40H-10A	6.3...10			CA7-12	65	30	450
CLE-716*10-DC16X	CLUE-716*22-DC16X	KTA9-40H-16A	10...16			CA7-16	65	30	450
CLE-716*10-DC20X	CLUE-716*22-DC20X	KTA9-40H-20A	14.5...20			CA7-16	65	30	450
CLE-723*10-DC20X	CLUE-723*22-DC20X	KTA9-40H-20A	14.5...20			CA7-23	65	30	450
CLE-723*10-DC25X	CLUE-723*22-DC25X	KTA9-40H-25A	18...25			CA7-23	50	30	450
CLE-730*10-DC25X	CLUE-730*22-DC25X	KTA9-40H-25A	18...25			KT9-40H-PEC37 or KT9-40H-PNC37	CAU7-PW37	CA7-30	50
CLE-730*10-DC29X	CLUE-730*22-DC29X	KTA9-40H-29A	23...29	CA7-30	50			30	450
CLE-737*10-DC32X	CLUE-737*22-DC32X	KTA9-40H-32A	26.5...32	CA7-37	50			30	450
CLE-737*10-DC36X	CLUE-737*22-DC36X	KTA9-40H-36A	30...36	CA7-37	30			30	450
CLE-737*10-DC40X	CLUE-737*22-DC40X	KTA9-40H-40A	34...40		CA7-37	30	30	450	

① Similar for other contactor configurations (DOL or Reversing)

UL 60947-4-1 Ratings

Starters with CA7/CAU7 Contactors and KT9 MPCBs¹

Suitable for Group Installation/Disconnecting Means on load side of KT9 Manual Motor Controller; Type 1 Short-Circuit Coordination Only

Cat. No.		MPCB	Motor Current Adjustment Range [A]	Connection Module	Reversing Power Wiring Kit	Min Contactor Size ①	SCCR [kA]		Max Fuse or Circuit Breaker per NEC [A]		
DOL Starters	Reversing Starters						Type 1 Coordination	600V AC			
C-Frame MPCB with CA7/CAU7 Contactors											
CLE-709*10-CA16X	CLUE-709*22-CA16X	KA9-32S-0.16A	0.10..0.16	KT9-32S-PEC23 or KT9-32S-PNC23	CAUT7-PW23	CA7-9	65	50	450		
CLE-709*10-CA25X	CLUE-709*22-CA25X	KA9-32S-0.25A	0.16...0.25			CA7-9	65	50	450		
CLE-709*10-CA40X	CLUE-709*22-CA40X	KA9-32S-0.40A	0.25..0.40			CA7-9	65	50	450		
CLE-709*10-CA63X	CLUE-709*22-CA63X	KA9-32S-0.63A	0.40..0.63			CA7-9	65	50	450		
CLE-709*10-CB10X	CLUE-709*22-CB10X	KA9-32S-1.0A	0.63...1.0			CA7-9	65	50	450		
CLE-709*10-CB16X	CLUE-709*22-CB16X	KA9-32S-1.6A	1.0..1.6			CA7-9	65	50	450		
CLE-709*10-CB25X	CLUE-709*22-CB25X	KA9-32S-2.5A	1.6...2.5			CA7-9	65	30	450		
CLE-709*10-CB40X	CLUE-709*22-CB40X	KA9-32S-4.0A	2.5..4.0			CA7-9	65	30	450		
CLE-709*10-CB63X	CLUE-709*22-CB63X	KA9-32S-6.3A	4.0..6.3			CA7-9	65	30	450		
CLE-709*10-CC10X	CLUE-709*22-CC10X	KA9-32S-10A	6.3..10			CA7-9	65	30	450		
CLE-712*10-CC10X	CLUE-712*22-CC10X	KA9-32S-10A	6.3..10			CA7-12	30	30	450		
CLE-716*10-CC16X	CLUE-716*22-CC16X	KA9-32S-16A	10...16			CA7-16	30	30	450		
CLE-716*10-CC20X	CLUE-716*22-CC20X	KA9-32S-20A	14.5..20			CA7-16	30	10	450		
CLE-723*10-CC25X	CLUE-723*22-CC25X	KA9-32S-25A	18..25			CA7-23	10	5	450		
CLE-730*10-CC25X	CLUE-730*22-CC25X	KA9-32S-25A	18..25			CA7-30	30	5	450		
CLE-730*10-CC29X	CLUE-730*22-CC29X	KA9-32S-29A	23..29			CA7-30	10	~	450		
CLE-737*10-CC32X	CLUE-737*22-CC32X	KA9-32S-32A	26.5..32			CA7-37	10	~	450		
D-Frame MPCB with CA7/CAU7 Contactors											
CLE-709*10-DA63X	CLUE-709*22-DA63X	KA9-40H-0.63A	0.40...0.63			KT9-40H-PEC23 or KT9-40H-PNC23	CAUT7-PW23	CA7-9	65	50	450
CLE-709*10-DB10X	CLUE-709*22-DB10X	KA9-40H-1.0A	0.63...1.0					CA7-9	65	50	450
CLE-709*10-DB16X	CLUE-709*22-DB16X	KA9-40H-1.6A	1.0..1.6	CA7-9	65			50	450		
CLE-709*10-DB25X	CLUE-709*22-DB25X	KA9-40H-2.5A	1.6..2.5	CA7-9	65			30	450		
CLE-709*10-DB40X	CLUE-709*22-DB40X	KA9-40H-4.0A	2.5..4.0	CA7-9	65			30	450		
CLE-709*10-DB63X	CLUE-709*22-DB63X	KA9-40H-6.3A	4.0..6.3	CA7-9	65			30	450		
CLE-709*10-DC10X	CLUE-709*22-DC10X	KA9-40H-10A	6.3..10	CA7-9	65			30	450		
CLE-712*10-DC10X	CLUE-712*22-DC10X	KA9-40H-10A	6.3..10	CA7-12	65			30	450		
CLE-716*10-DC16X	CLUE-716*22-DC16X	KA9-40H-16A	10...16	CA7-16	65			30	450		
CLE-716*10-DC20X	CLUE-716*22-DC20X	KA9-40H-20A	14.5..20	CA7-16	65			30	450		
CLE-723*10-DC20X	CLUE-723*22-DC20X	KA9-40H-20A	14.5..20	CA7-23	65			30	450		
CLE-723*10-DC25X	CLUE-723*22-DC25X	KA9-40H-25A	18..25	CA7-23	50			30	450		
CLE-730*10-DC25X	CLUE-730*22-DC25X	KA9-40H-25A	18..25	CA7-30	50			30	450		
CLE-730*10-DC29X	CLUE-730*22-DC29X	KA9-40H-29A	23..29	CA7-30	50			30	450		
CLE-737*10-DC32X	CLUE-737*22-DC32X	KA9-40H-32A	26.5..32	CA7-37	30			18	450		
CLE-737*10-DC36X	CLUE-737*22-DC36X	KA9-40H-36A	30...36	CA7-37	30			18	450		
CLE-737*10-DC40X	CLUE-737*22-DC40X	KA9-40H-40A	34..40	CA7-37	30			18	450		
KT9 Combination Motor Controller as Type F Combination; Type 1 Short-Circuit Coordination Only											
C-Frame MPCB with CA7/CAU7 Contactors											
CLE-709*10-CA16X	CLUE-709*22-CA16X	KA9-32S-0.16A	0.10..0.16	KT9-32S-PEC23 or KT9-32S-PNC23	CAUT7-PW23			CA7-9	65	50	450
CLE-709*10-CA25X	CLUE-709*22-CA25X	KA9-32S-0.25A	0.16...0.25			CA7-9	65	50	450		
CLE-709*10-CA40X	CLUE-709*22-CA40X	KA9-32S-0.40A	0.25..0.40			CA7-9	65	50	450		
CLE-709*10-CA63X	CLUE-709*22-CA63X	KA9-32S-0.63A	0.40..0.63			CA7-9	65	50	450		
CLE-709*10-CB10X	CLUE-709*22-CB10X	KA9-32S-1.0A	0.63...1.0			CA7-9	65	50	450		
CLE-709*10-CB16X	CLUE-709*22-CB16X	KA9-32S-1.6A	1.0..1.6			CA7-9	65	50	450		
CLE-709*10-CB25X	CLUE-709*22-CB25X	KA9-32S-2.5A	1.6...2.5			CA7-9	65	30	450		
CLE-709*10-CB40X	CLUE-709*22-CB40X	KA9-32S-4.0A	2.5..4.0			CA7-9	65	30	450		
CLE-709*10-CB63X	CLUE-709*22-CB63X	KA9-32S-6.3A	4.0..6.3			CA7-9	65	~	450		
CLE-709*10-CC10X	CLUE-709*22-CC10X	KA9-32S-10A	6.3..10			CA7-9	65	~	450		
CLE-712*10-CC10X	CLUE-712*22-CC10X	KA9-32S-10A	6.3..10			CA7-12	30	~	450		
CLE-716*10-CC16X	CLUE-716*22-CC16X	KA9-32S-16A	10...16			CA7-16	30	~	450		
D-Frame MPCB with CA7/CAU7 Contactors											
CLE-709*10-DA63X	CLUE-709*22-DA63X	KA9-40H-0.63A	0.40...0.63			KT9-40H-PEC23 or KT9-40H-PNC23	CAUT7-PW23	CA7-9	65	50	450
CLE-709*10-DB10X	CLUE-709*22-DB10X	KA9-40H-1.0A	0.63...1.0					CA7-9	65	50	450
CLE-709*10-DB16X	CLUE-709*22-DB16X	KA9-40H-1.6A	1.0..1.6					CA7-9	65	50	450
CLE-709*10-DB25X	CLUE-709*22-DB25X	KA9-40H-2.5A	1.6..2.5					CA7-9	65	30	450
CLE-709*10-DB40X	CLUE-709*22-DB40X	KA9-40H-4.0A	2.5..4.0					CA7-9	65	30	450
CLE-709*10-DB63X	CLUE-709*22-DB63X	KA9-40H-6.3A	4.0..6.3					CA7-9	65	30	450
CLE-709*10-DC10X	CLUE-709*22-DC10X	KA9-40H-10A	6.3..10					CA7-9	65	30	450
CLE-712*10-DC10X	CLUE-712*22-DC10X	KA9-40H-10A	6.3..10	CA7-12	65			30	450		
CLE-716*10-DC16X	CLUE-716*22-DC16X	KA9-40H-16A	10...16	CA7-16	65			30	450		
CLE-723*10-DC20X	CLUE-723*22-DC20X	KA9-40H-20A	14.5..20	CA7-23	65			~	450		
CLE-723*10-DC25X	CLUE-723*22-DC25X	KA9-40H-25A	18..25	CA7-23	50			~	450		
CLE-730*10-DC29X	CLUE-730*22-DC29X	KA9-40H-29A	23..29	CA7-30	50			~	450		
CLE-737*10-DC32X	CLUE-737*22-DC32X	KA9-40H-32A	26.5..32	CA7-37	30			~	450		
CLE-737*10-DC36X	CLUE-737*22-DC36X	KA9-40H-36A	30...36	CA7-37	30			~	450		
CLE-737*10-DC40X	CLUE-737*22-DC40X	KA9-40H-40A	34..40	CA7-37	30			~	450		

① Similar for other contactor configurations (DOL or Reversing)

IEC 60947-4-1 Ratings

 Starters with CA8/CAU8 Contactors and KT9 MPCBs¹
IEC 60947-4-1; Type 1 Short-Circuit Coordination

Cat. No.		MPCB	Motor Current Adjustment Range [A]	Connection Module	Reversing Power Wiring Kit	Min Contactor Size ①	SCCR [kA]	
DOL Starters	Reversing Starters						Type 1 Coordination	
						415V AC	525V AC	
C-Frame MPCB with CA8/CAU8 Contactors								
CLE-809*10-CA16X	CLUE-809*22-CA16X	KT9-32S-0.16A	0.10..0.16	KT9-32S-PEK12	CAUT8-PW	CA8-09	65	50
CLE-809*10-CA25X	CLUE-809*22-CA25X	KT9-32S-0.25A	0.16..0.25			CA8-09	65	50
CLE-809*10-CA40X	CLUE-809*22-CA40X	KT9-32S-0.40A	0.25..0.40			CA8-09	65	50
CLE-809*10-CA63X	CLUE-809*22-CA63X	KT9-32S-0.63A	0.40..0.63			CA8-09	65	50
CLE-809*10-CB10X	CLUE-809*22-CB10X	KT9-32S-1.0A	0.63..1.0			CA8-09	65	50
CLE-809*10-CB16X	CLUE-809*22-CB16X	KT9-32S-1.6A	1.0..1.6			CA8-09	65	50
CLE-809*10-CB25X	CLUE-809*22-CB25X	KT9-32S-2.5A	1.6..2.5			CA8-09	65	30
CLE-809*10-CB40X	CLUE-809*22-CB40X	KT9-32S-4.0A	2.5..4.0			CA8-09	65	30
CLE-809*10-CB63X	CLUE-809*22-CB63X	KT9-32S-6.3A	4.0..6.3			CA8-09	65	30
CLE-809*10-CC10X	CLUE-809*22-CC10X	KT9-32S-10A	6.3..10			CA8-09	65	30
CLE-812*10-CC10X	CLUE-812*22-CC10X	KT9-32S-10A	6.3..10			CA8-12	65	30
CLE-812*10-CC16X	CLUE-812*22-CC16X	KT9-32S-16A	10..16			CA8-12	30	30

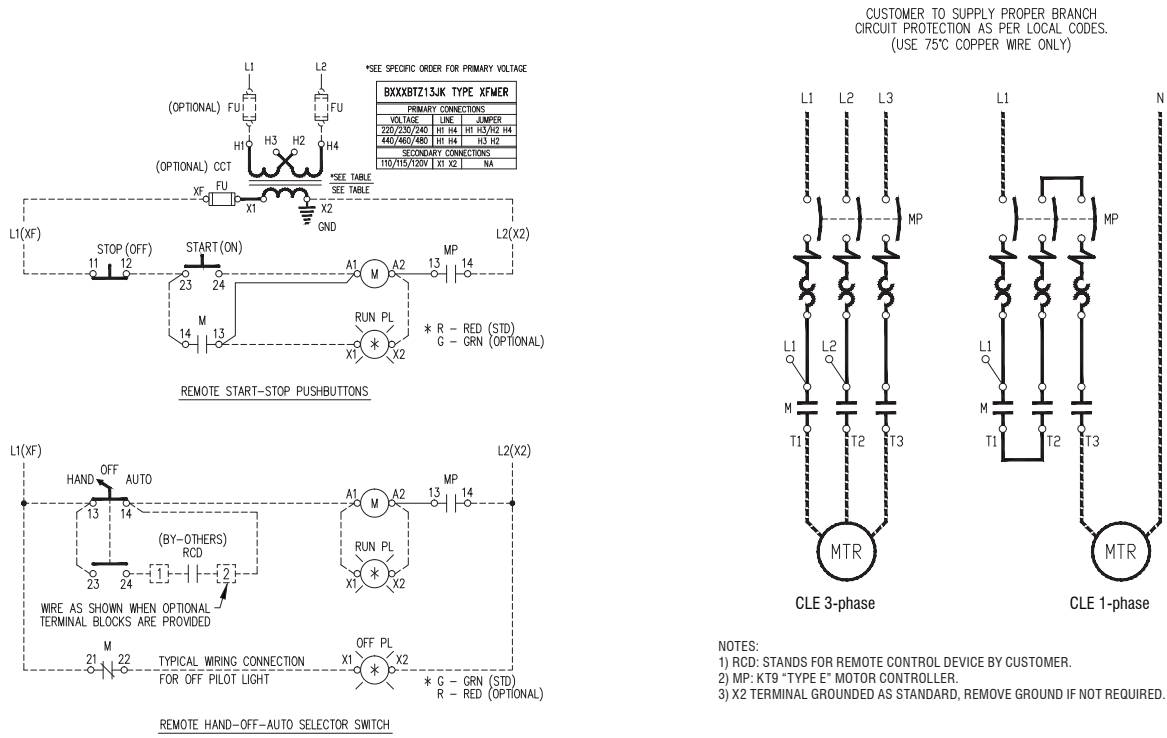
 Starters with CA7/CAU7 Contactors and KT9 MPCBs¹
IEC 60947-4-1; Type 2 Short-Circuit Coordination

Cat. No.		MPCB	Motor Current Adjustment Range [A]	Connection Module	Reversing Power Wiring Kit	Min Contactor Size ①	SCCR [kA]				
DOL Starters	Reversing Starters						Type 2 Coordination				
						415V AC	525V AC	690V AC			
C-Frame MPCB with CA7/CAU7 Contactors											
CLE-709*10-CA16X	CLE-709*10-CA16X	KT9-32S-0.16A	0.10..0.16	KT9-32S-PEC23 or KT9-32S-PNC23	CAUT7-PW23	CA7-9	100	65	50		
CLE-709*10-CA25X	CLE-709*10-CA25X	KT9-32S-0.25A	0.16..0.25			CA7-9	100	65	50		
CLE-709*10-CA40X	CLE-709*10-CA40X	KT9-32S-0.40A	0.25..0.40			CA7-9	100	65	50		
CLE-709*10-CA63X	CLE-709*10-CA63X	KT9-32S-0.63A	0.40..0.63			CA7-9	100	65	50		
CLE-709*10-CB10X	CLE-709*10-CB10X	KT9-32S-1.0A	0.63..1.0			CA7-9	100	65	50		
CLE-709*10-CB16X	CLE-709*10-CB16X	KT9-32S-1.6A	1.0..1.6			CA7-9	100	50	50		
CLE-723*10-CB25X	CLE-723*10-CB25X	KT9-32S-2.5A	1.6..2.5			CA7-23	65	50	~		
CLE-723*10-CB40X	CLE-723*10-CB40X	KT9-32S-4.0A	2.5..4.0			CA7-23	65	~	~		
CLE-723*10-CB63X	CLE-723*10-CB63X	KT9-32S-6.3A	4.0..6.3			CA7-23	65	~	~		
CLE-723*10-CC10X	CLE-723*10-CC10X	KT9-32S-10A	6.3..10			CA7-23	65	~	~		
CLE-730*10-CC16X	CLE-730*10-CC16X	KT9-32S-16A	10..16			~	CAUT7-PW37	CA7-30	50	~	~
CLE-730*10-CC20X	CLE-730*10-CC20X	KT9-32S-20A	14.5..20					CA7-30	50	~	~
CLE-730*10-CC25X	CLE-730*10-CC25X	KT9-32S-25A	18..25					CA7-30	15	~	~
CLE-730*10-CC29X	CLE-730*10-CC29X	KT9-32S-29A	23..29	CA7-30	15			~	~		
CLE-730*10-CC32X	CLE-730*10-CC32X	KT9-32S-32A	26.5..32	CA7-30	15			~	~		
D-Frame MPCB with CA7/CAU7 Contactors											
CLE-709*10-DA63X	CLUE-709*22-DA63X	KT9-40H-0.63A	0.40..0.63	KT9-40H-PEC23 or KT9-40H-PNC23	CAUT7-PW23	CA7-9	100	65	50		
CLE-709*10-DB10X	CLUE-709*22-DB10X	KT9-40H-1.0A	0.63..1.0			CA7-9	100	65	50		
CLE-709*10-DB16X	CLUE-709*22-DB16X	KT9-40H-1.6A	1.0..1.6			CA7-9	100	50	50		
CLE-709*10-DB25X	CLUE-709*22-DB25X	KT9-40H-2.5A	1.6..2.5			CA7-9	100	50	50		
						CA7-12	~	50	~		
						CA7-23	~	~	50		
CLE-709*10-DB40X	CLUE-709*22-DB40X	KT9-40H-4.0A	2.5..4.0			CA7-9	65	50	50		
						CA7-12	~	50	~		
						CA7-23	~	~	50		
CLE-709*10-DB63X	CLUE-709*22-DB63X	KT9-40H-6.3A	4.0..6.3			CA7-9	65	50	50		
						CA7-12	~	50	~		
						CA7-23	~	~	50		
CLE-709*10-DC10X	CLUE-709*22-DC10X	KT9-40H-10A	6.3..10			CA7-9	65	50	50		
				CA7-12	~	50	~				
				CAUT7-PW37	CA7-30	~	~	50			
CLE-723*10-DC16X	CLUE-723*22-DC16X	KT9-40H-16A	10..16	CAUT7-PW23	CA7-23	65	50	~			
CLE-723*10-DC20X	CLUE-723*22-DC20X	KT9-40H-20A	14.5..20		CA7-23	65	~	~			
CLE-723*10-DC25X	CLUE-723*22-DC25X	KT9-40H-25A	18..25		CA7-23	65	~	~			
CLE-730*10-DC29X	CLUE-730*22-DC29X	KT9-40H-29A	23..29	KT9-40H-PEC37 or KT9-40H-PNC37	CAUT7-PW37	CA7-30	65	~	~		
CLE-730*10-DC32X	CLUE-730*22-DC32X	KT9-40H-32A	26.5..32			CA7-30	65	~	~		
CLE-737*10-DC36X	CLUE-737*22-DC36X	KT9-40H-36A	30..36			CA7-37	65	~	~		
CLE-737*10-DC40X	CLUE-737*22-DC40X	KT9-40H-40A	34..40			CA7-37	65	~	~		

① Similar for other contactor configurations (DOL or Reversing)

2-Component Ecombo Starters

CLE Non-Reversing Typical Diagram

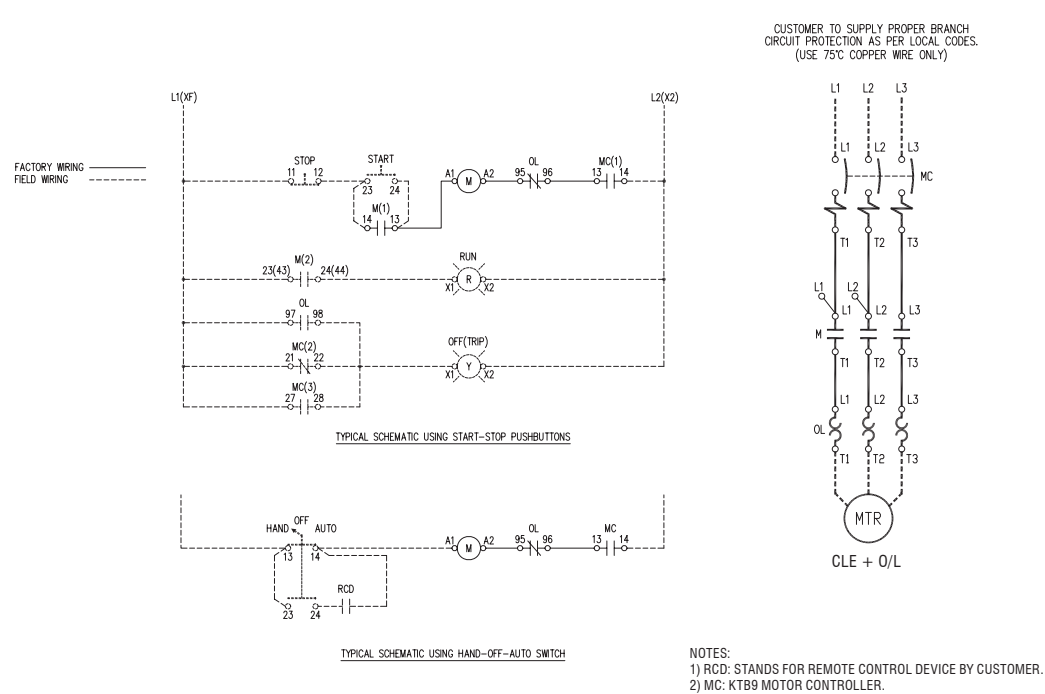


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Ecombo Circuit Controllers

3-Component Ecombo Starters

CLE + O/L Non-Reversing Typical Diagram



Reversing and Non-Reversing Ecombo Starters CLE / CLUE-709...723

CLE / CLUE-709...723

Cat No.
KTA9-32S
KTA9-40H

Cat No.
KT9-32S-PEC23
KT9-40H-PEC23

Cat No.
CAU7-9...23

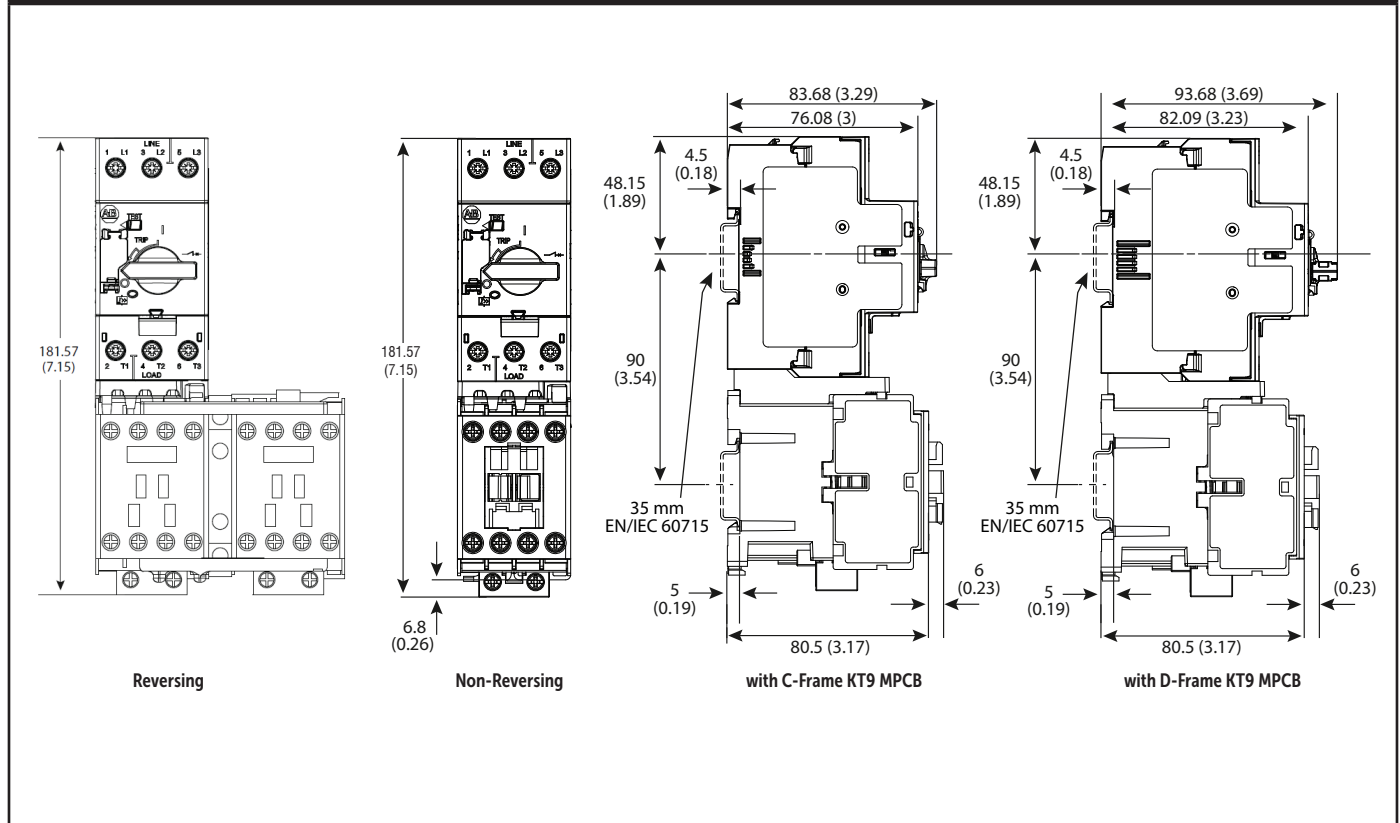
KTA9-32S/40H

Step No.	Procedure
1	Insert the lower connecting module prongs into the contactor terminals
2	Slide the connecting module into place
3	Tighten the terminal screws on the contactor
4	Insert the upper connecting module prongs into the MPCB terminals
5	Slide the connecting module into place
6	Tighten the terminal screws on the MPCB

Tools and Torques:

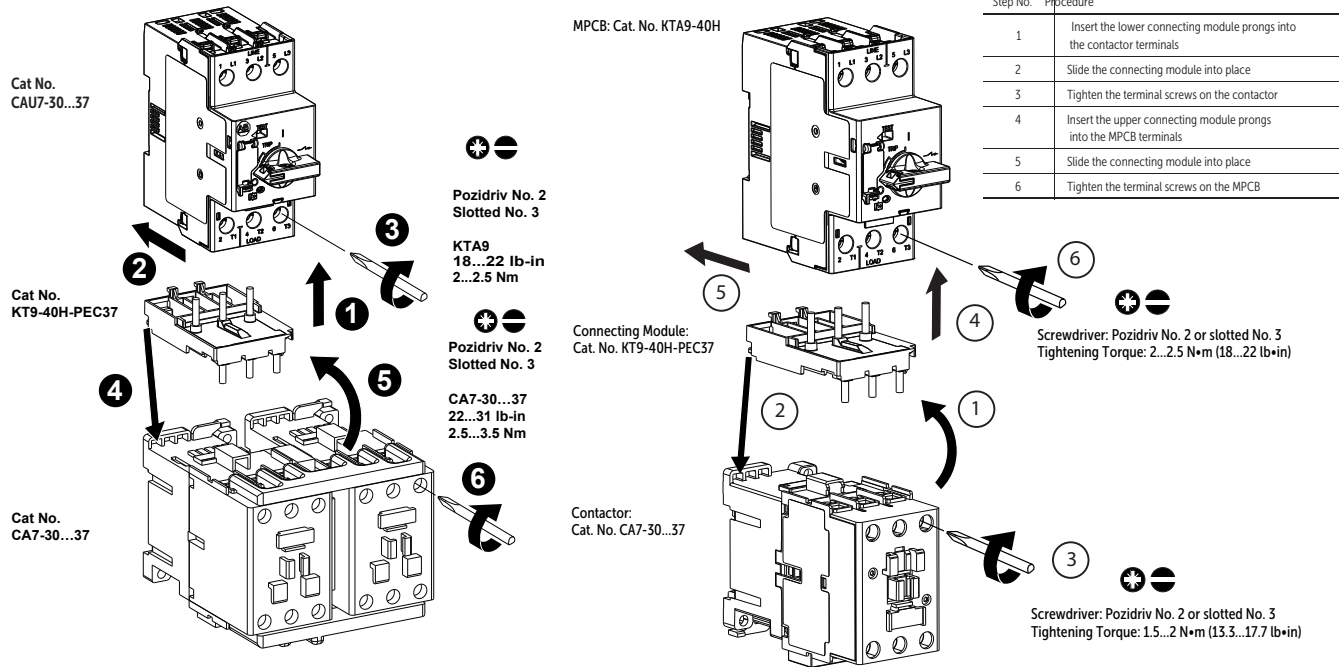
- ⊕ ⊖ Pozidriv No. 2 Slotted No. 3
- ⊕ ⊖ KTA9 18...22 lb-in 2...2.5 Nm
- ⊕ ⊖ Pozidriv No. 2 Slotted No. 3
- ⊕ ⊖ CA7-9...23 13.3...17.7 lb-in 1.5...2.0 Nm
- ⊕ ⊖ Connecting Module: KT9-32S-PEC23 or KT9-40H-PEC23
- ⊕ ⊖ Contactor: CA7-9...23
- ⊕ ⊖ Screwdriver: Pozidriv No. 2 or slotted No. 3
- ⊕ ⊖ Tightening Torque: 2...2.5 N•m (18...22 lb•in)
- ⊕ ⊖ Screwdriver: Pozidriv No. 2 or slotted No. 3
- ⊕ ⊖ Tightening Torque: 1.5...2 N•m (13.3...17.7 lb•in)

KTA9-32S/40H + KT9-32S/40H-PEC23 + CA7-9...23/CAU7-9...23

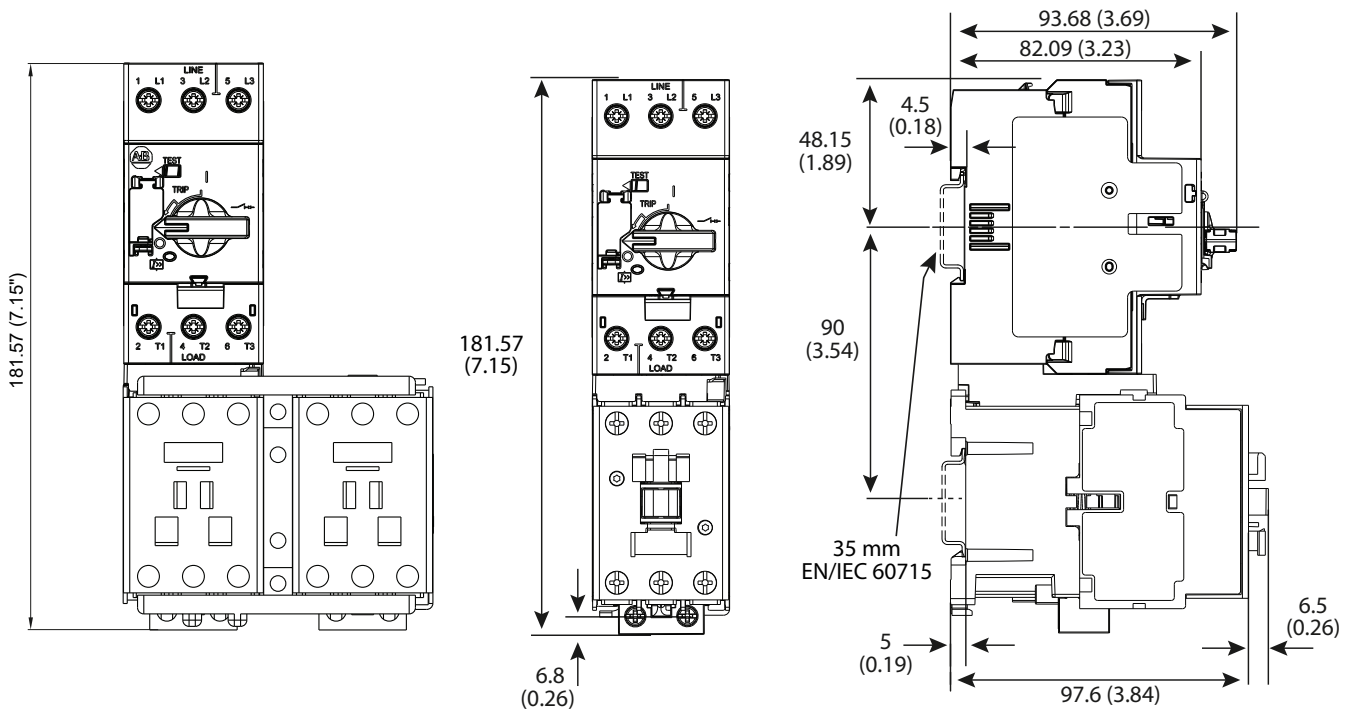


Reversing and Non-Reversing Ecombo Starters CLE / CLUE-730...737

CLE / CLUE-730...737



KTA9-40H + KT9-32S / 40H-PEC23 + CA7-30...37 / CAU7-30...37

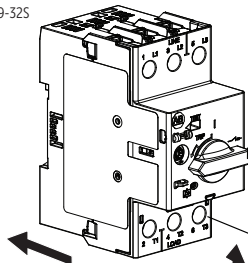


Reversing and Non-Reversing Ecombo Starters CLE / CLUE-809...812

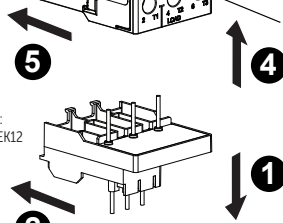
CLE / CLUE-809...812

MPCB: Cat. No. KTA9-32S

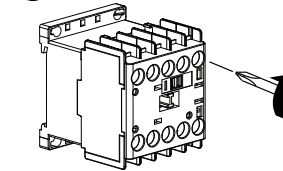
Step No.	Procedure
1	Insert the lower connecting module prongs into the contactor terminals
2	Slide the connecting module into place
3	Tighten the terminal screws on the contactor
4	Insert the upper connecting module prongs into the MPCB terminals
5	Slide the connecting module into place
6	Tighten the terminal screws on the MPCB



Connecting Module:
Cat. No. KTA-32S-PEK12



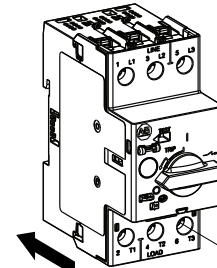
Cat. No.
CAU8-09...12



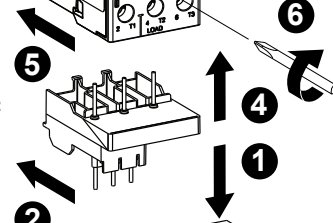
6
Screwdriver: Pozidriv No. 2 or slotted No. 3
Tightening Torque: 2...2.5 N•m (18...22 lb•in)

3
Screwdriver: Pozidriv No. 2 or slotted No. 3
Tightening Torque: 1...1.2 N•m (8.9...10.6 lb•in)

Cat. No.
KTA9-32S



Cat. No.
KT9-32S-PEK12



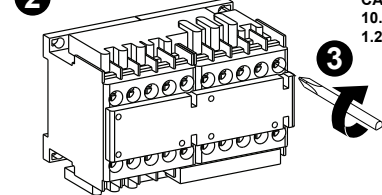
⊕ ⊖
Pozidriv No. 2
Slotted No. 3

KTA9
18...22 lb-in
2...2.5 Nm

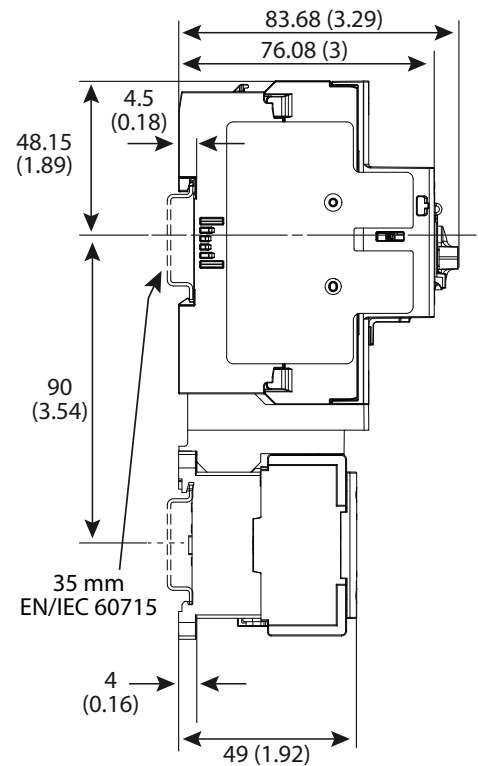
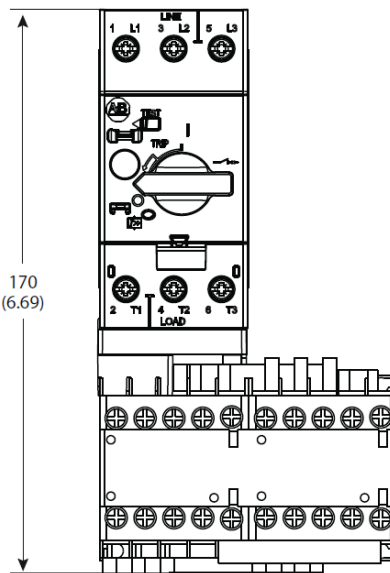
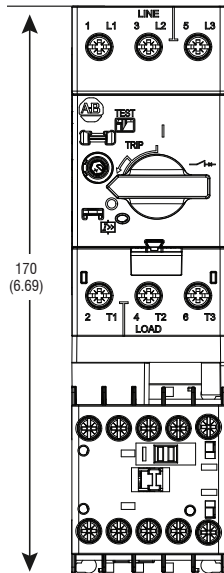
⊕ ⊖
Pozidriv No. 2
Slotted No. 3

CA8
10.6 lb-in
1.2 Nm

Cat. No.
CAU8-09...12



KTA9-32S + KT9-32S-PEK12 + CA8-09...12 / CAU8-09...12



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Ecombo Circuit Controllers

