



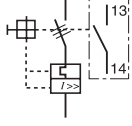
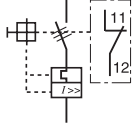




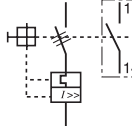



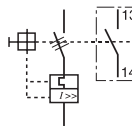
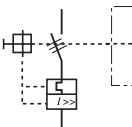




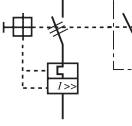
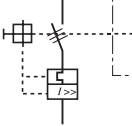



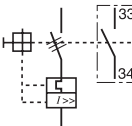
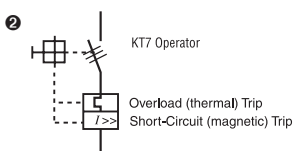


Accessories for KT7


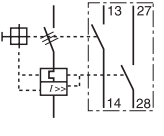
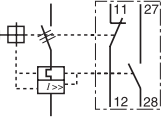

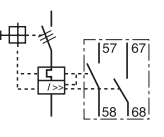
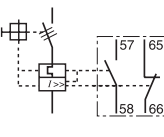
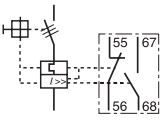
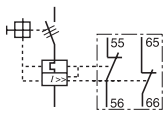
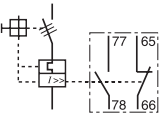
Accessory	Description	Operator Position ❶			Type	Connection Diagram and Terminal Markings ❷	For Use With	Catalog Number
		OFF	ON	Tripped				
					1 NO		KTA7/KTB7/ KTC7/KTV7 KTU7 ❸	KT7-PE1-10
		X	0	X	1 NC		KTA7/KTB7/ KTC7/KTV7 KTU7 ❸	KT7-PE1-01
	Front-Mounted Auxiliary Contact <ul style="list-style-type: none"> • 1-pole or 2-pole • No additional space required • 300V max. 				1 NO		KTA7/KTB7/ KTC7/KTV7 KTU7 ❸	KT7-PE1-11
		X	0	X	1 NC			
					1 NO		KTA7/KTB7/ KTC7/KTV7 KTU7 ❸	KT7-PE1-20
		0	X	0	1 NO			
		X	0	X	1 NC		KTA7/KTB7/ KTC7/KTV7 KTU7 ❸	KT7-PE1-02
		X	0	X	1 NC			
	Right Side-Mounted Auxiliary Contact <ul style="list-style-type: none"> • 2-pole • Adds 9 mm to the width of the device • 600V max. 				1 NO		KTA7 KTB7 KTC7 KTV7	KT7-PA1-20
		0	X	0	1 NO			
		X	0	X	1 NC		KTA7 KTB7 KTC7 KTV7	KT7-PA1-02
		X	0	X	1 NC			
					1 NO		KTA7 KTB7 KTC7 KTV7	KT7-PA1-11
		X	0	X	1 NC			

❶ X=Contact Closed
0=Contact Open



❸ When KT7-PE_x is used with KTU7 Circuit Breakers, KT7-PEFC Load Terminal Cover is required to comply with UL489 terminal clearance standards.

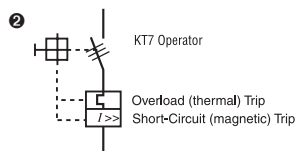
Accessories for KT7

Accessory	Description	Operator Position ❶			Type	Connection Diagram and Terminal Markings ❷	For Use With	Catalog Number
		OFF	ON	Tripped				
 <p>Front-Mounted Trip Contact</p> <ul style="list-style-type: none"> • 2-pole • Indicates tripping of device • No additional space required • 300V max. 		0	X	0	1 NO		KTA7/ KTB7/ KTC7/ KTV7 KTU7 ❸	KT7-PEF1-S10-N10
		0	0	X	NO Trip (Short-Circuit & Overload)			
		X	0	X	1 NC		KTA7/ KTB7/ KTC7/ KTV7 KTU7 ❸	KT7-PEF1-S10-N01
		0	0	X	NO Trip (Short-Circuit & Overload)			
 <p>Right Side-Mounted Trip Contact</p> <ul style="list-style-type: none"> • 2-pole • Indicates tripping of motor protector • Adds 9 mm to the width of the device • 600V max. 		0	0	X	NO Trip (Short-Circuit & Overload)		KTA7 KTB7 KTC7 KTV7	KT7-PAF1-S10-M10
		0	0	X	NO Trip (Short-Circuit)			
		0	0	X	NO Trip (Short-Circuit & Overload)		KTA7 KTB7 KTC7 KTV7	KT7-PAF1-S10-M01
		X	X	0	NC Trip (Short-Circuit)			
		X	X	0	NC Trip (Short-Circuit & Overload)		KTA7 KTB7 KTC7 KTV7	KT7-PAF1-S01/M10
		0	0	X	NO Trip (Short-Circuit)			
		X	X	0	NC Trip (Short-Circuit & Overload)		KTA7 KTB7 KTC7 KTV7	KT7-PAF1-S01-M01
		X	X	0	NC Trip (Short-Circuit)			
		0	0	X	NO Trip (Short-Circuit)		KTA7 KTB7 KTC7 KTV7	KT7-PAF1-M11
		X	X	0	NC Trip (Short-Circuit)			

F


KT7 Motor Circuit Controllers

❶ X=Contact Closed
O=Contact Open



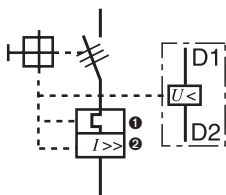
❸ When KT7-PE_ is used with KTU7 Circuit Breakers, KT7-PEFC Load Terminal Cover is required to comply with UL489 terminal clearance standards.

Accessories for KT7

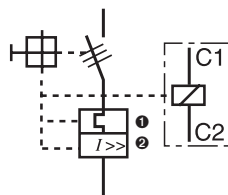
Accessory	Description	For Use With	AC Coil Voltage		Catalog Number	
			50 HZ	60 HZ	Shunt Trip	Undervoltage
	Undervoltage Trip <ul style="list-style-type: none"> • Left-side mounted • Adds 18 mm to the width of the KT7 device • Automatically trips motor protector when voltage falls below 35...70% 	KTA7 KTB7 KTC7 KTV7	12V	14V	KT7-AA-14V	KT7-UA-14V
			21V	24V	KT7-AA-24V	KT7-UA-24V
			24V	28V	KT7-AA-28V	KT7-UA-28V
			42V	48V	KT7-AA-48V	KT7-UA-48V
			110V	120V	KT7-AA-120V	KT7-UA-120V
			110V	127V	KT7-AA-127V	KT7-UA-127V
			220...230V		KT7-AA-230V	KT7-UA-230V
				240...260V	KT7-AA-240V	KT7-UA-240V
			240V	277V	KT7-AA-277V	KT7-UA-277V
			380V	460V	KT7-AA-460V	KT7-UA-460V
			415V	480V	KT7-AA-480V	KT7-UA-480V
			525V	600V	KT7-AA-600V	KT7-UA-600V
			Shunt Trip <ul style="list-style-type: none"> • Left-side mounted • Adds 18 mm to the width of the KT7 device • Trips motor protector when voltage is applied remotely 	KTU7	DC Coil Voltage	
	9V DC				KT7-AA-9D	KT7-UA-9D
	12V DC				KT7-AA-12D	KT7-UA-12D
	24V DC				KT7-AA-24D	KT7-UA-24D
	36V DC				KT7-AA-36D	KT7-UA-36D
	48V DC				KT7-AA-48D	KT7-UA-48D
	60V DC		KT7-AA-60D	KT7-UA-60D		
64V DC		KT7-AA-64D	KT7-UA-64D			
72V DC		KT7-AA-72D	KT7-UA-72D			
80V DC		KT7-AA-80D	KT7-UA-80D			

F KT7 Motor Circuit Controllers

Undervoltage Trip Connection Diagram





Shunt Trip Connection Diagram





① For Overload (thermal) Trip of KT7.
 ② For Short-Circuit (magnetic) Trip of KT7.

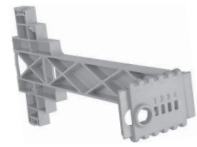
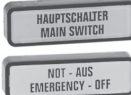
Classic Handle Assembly, Type 1/4/4X/12

Accessory	Description	Color	Legend ②	For use with...	Frame Size (Length)	Catalog Number
	Classic Door Coupling Handle ①②③ <ul style="list-style-type: none"> For 3 padlocks 4...8 mm (5/16") diameter Type 1/3/3R/4/4X/12 and IP66 Interlock override capability Can be modified for locking in ON position Ships with coupling — order extension shaft and legend plate separately See Technical Section for mounting depth information 	Gray/Black	0 - I OFF - ON Trip	KTA7, KTB7, KTC7, KTV7 ①②	65 x 65mm	KT7-HTN
		Red/Yellow	0 - I OFF - ON Trip		KTU7 ③	65 x 65mm
	Extension Shaft ① <ul style="list-style-type: none"> Cut to required length for mounting depth (adapter-door) See Technical Section for mounting depth information 			KT7-HTN KT7-HTRY	250 mm	KT7-HT
		400 mm	KT7-HTL			

Contemporary Handle Assembly, Type 3R/3/4/4X

Accessory	Description	Color	Legend ②	For use with...	Frame Size (Length)	Catalog Number
	Contemporary Door Coupling Handle ④ <ul style="list-style-type: none"> Screw Fixing Type 3R, 3, 12, 4, 4X, IP66 Field configurable for defeatable or non-defeatable Ships with coupling — order extension shaft and legend plate separately Requires 30mm hole for mounting For up to 2 padlocks 	Black/Black	0 - I OFF - ON Trip	KTA7 KTB7 KTC7 KTV7 KTU7	48.7 x 47mm	KT7-SB
		Red/Yellow	0 - I OFF - ON Trip		48.7 x 47mm	KT7-SY
	Extension Shaft <ul style="list-style-type: none"> Cut to required length for mounting depth (adapter-door) See Technical Section for mounting depth information 			KT7-SB KT7-SY	305mm (12")	KT7-S1
		533mm (21")	KT7-S2			

Handle Accessories

Accessory	Description	For use with...	Catalog Number
	Extension Shaft Support ⑤ <ul style="list-style-type: none"> Provides consistent alignment of the KT7 shafts with handle or door coupling Recommended for shaft lengths >200mm (7.8 in) 9mm in width and snaps on right side of KT_7 devices Allows for one side-mount auxiliary 	KT7-HT_ KT7-S_ KT7-N_ _	KT7-SHS
	Legend Plate <ul style="list-style-type: none"> Marking: "Hauptschalter" and "Main Switch" (Black/Gray) Marking: "Not-Aus" and "Emergency Off" (Black/Yellow) 	KT7-HT_ KT7-S_ _	KT7-HTFCN KT7-HTFCRY

① See Dimensions and Technical data in this section for design compatibility.

② KTA7, KTB7 and KTC7 can be used with Series D or later KT7-H_ Handle mechanism with "I-O" markings or Series E with "ON-OFF" markings.

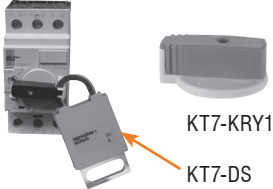



③ KTU7 requires Series E or later to comply with UL489 "ON-OFF" Trip

markings.

④ See page F41 for assembly example and dimensions.


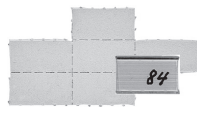

⑤ See page F42 for KT7-S_ handle dimensions.

Accessories for KT_7

Accessory	Description	Color	For Use With	Catalog Number
 <p>KT7-KRY1 KT7-DS</p>	Lockable Twist Knob <ul style="list-style-type: none"> For 1 padlock 4...5 mm (1/4") dia. shackle Can be locked in OFF position 	Black	KTA7, KTB7, KTC7, KTV7, KTU7	KT7-KN1
		Red/Yellow		KT7-KRY1
	Locking Tag <ul style="list-style-type: none"> Padlock attachment to the lockable handles Up to three padlocks 4...8 mm (5/16") shackle 	Red	KT7-KN1, KT7-KRY1, KT7-45-KRY	KT7-DS
	Terminal Adapter for Type E Applications ❶ <ul style="list-style-type: none"> Required on all KT7s used in UL Type E applications May not be used with Bus Bars 		KTA/B/C7/V7-25/32	KT7-25-TE1
			KTA/B/C7-45	KT7-45-TE
	Anti-Tamper Shield <ul style="list-style-type: none"> Provides protection against inadvertent adjustment of the current setting 10 pieces per package 		KTA7, KTB7, KTC7, KTV7	KT7-25-CA
	Screw Adaptor <ul style="list-style-type: none"> For screw fixing of KT7 Motor Circuit Controller 10 pieces per package 		KTA7, KTB7, KTC7, KTV7, KTU7	KT7-45-AS

F KT7 Motor Circuit Controllers

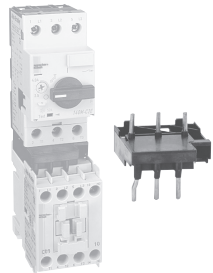
Marking Systems

Component	Description	Pkg. Qty.	Catalog Number
	Label Sheet - 1 sheet with 105 self-adhesive paper labels each, 6 x 17mm	1	CA7-FMS
	Marking Tag Sheet - 1 sheet with 160 perforated paper labels each, 6 x 17mm. To be used with transparent cover	1	CA7-FMP
	Transparent Cover - To be used with Marking Tag Sheets	100 ❷	CA7-FMC
	Tag Carrier - For marking with marker cards and tags. See page N6 for complete listing of available cards and tabs.	100 ❷	CA7-FMA2

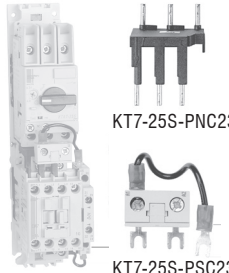
❶ Terminal Adaptors are supplied as standard on enclosed KT7 and CX7 starters, as well as, CL8, CL7 and CK7 assembled products, assuring they can be used in Type E applications. Alternatively, compact busbar supply block KT7-_-A2E or -A3E meet Type E requirements for terminal spacing.

❷ Minimum quantity is one package of 100.

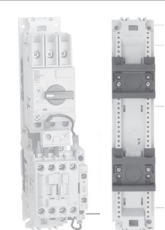
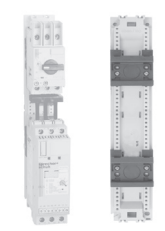


Connecting Modules (for connecting KTA7, KTB7 or KTC7 to CA8, CA7 AC coil, or CA7 Electronic DC coil contactors) ②

Module	Description	For Connecting. . .	To Contactor. . .	Catalog Number ①
	Connecting Modules (forms Ecombo Starter) - ① <ul style="list-style-type: none"> Provides electrical and mechanical interconnection of KT7 and CA8 (with AC or DC coils), CA7 (with AC coils) or CA7-_E (with Electronic DC coils). Suitable for reversing and wye-delta kits Ecombo starter (with KT7-25/32) mounts on a single DIN-rail (KT7 mounts on DIN-rail) Ecombo starter (with KT7-45) can be mounted on two DIN-rails or on Mounting Modules (see selection table below) Contactor coil mounted on load side 	KT_7-25S..32S or KF7	CA8-9...12 12A max.	KT7-25S-PEK12
		KT_7-25S..32S or KF7	CA7-9...23 CA7-9E...23E	KT7-25S-PEC23
		KT_7-25H..32H	CA7-9...23 CA7-9E...23E	KT7-25H-PEC23
		KT_7-25H..32H	CA7-30...37 CA7-30E...37E	KT7-25H-PNC37
		KT_7-45H	CA7-30...37 CA7-30E...37E	KT7-45H-PNC37
		KT_7-45H	CA7-43 CA7-43E	KT7-45H-PNC43

Connecting Modules (for connecting KTA7, KTB7 or KTC7 to CA7 to make CLT7 type assemblies) ②

Module	Description	For Connecting...	To Contactor. . .	Use Contactor. . . ①	With Coil Module. . .
	Connecting Modules <ul style="list-style-type: none"> Provides electrical interconnection of KT7 and CA7 contactors Contactor Coil Module extends A1/A2 Line Side terminals forward to facilitate wiring Contactor and motor protector must be mounted on two DIN-rails or on Mounting Module (see selection table below) 	KT_7-25S..32S or KF7	CA7-9..23	KT7-25S-PNC23	KT7-25S-PSC23
		KT_7-25H..32H		KT7-25H-PNC23	
		KT_7-25H..32H	CA7-30..37	KT7-25H-PNC37	KT7-45H-PSC43
		KT_7-45H		KT7-45H-PNC37	
		KT_7-45H		CA7-43	

Type W Mounting Modules

Module	Description	Width (mm)	Catalog Number
	Short Mounting Module - Requires Connecting Module from tables above <ul style="list-style-type: none"> Provides support for KT7 + CA7 or CA8 Top rail is specifically designed for KT7 Bottom rail is movable for easy assembly and disassembly Complete unit mounts to two 35mm DIN-rails or one 70mm DIN-rail or screw mounts 228 mm high 	45	W-32489
		54	W-32490
	Long Mounting Module - See Section D for Connecting Modules <ul style="list-style-type: none"> Provides support for KT7 + PCS Softstarter, CA7 + PCS Softstarter or KTB7 + CA7+CEP7 Top rail is specifically designed for KT7 Bottom rail is movable for easy assembly and disassembly Complete unit mounts to two 35mm DIN-rails or one 70mm DIN-rail or screw mounts 283 mm high 	45	W-32496
		54	W-32497
	Spacer for Mounting Module - Fits between 45mm and 54mm for Reversing applications (228 mm high)	9	W-32955
	Dovetail Joints - Used to connect two mounting modules together. (Sold in packages of 50)		W-32954

① cURus Approved (File # E33916).
 ② Not for use with KTU7 Circuit Breakers

Compact Busbar System for KTA7, KTB7 and KTC7 Motor Controllers ①②④

Accessory	Description	For Use With	Catalog Number
	Compact Busbar — 45 mm Spacing (Rated 64 A) <ul style="list-style-type: none"> For use with front-mounted auxiliary contact on KT_7 Motor Controllers <ul style="list-style-type: none"> Connects 2 Motor Controllers Connects 3 Motor Controllers Connects 4 Motor Controllers Connects 5 Motor Controllers 	KT_7-25...32S KT_7-25...32H ③	KT7-32-DB-45-2 KT7-32-DB-45-3 KT7-32-DB-45-4 KT7-32-DB-45-5
	Compact Busbar — 54 mm Spacing (Rated 64 A) <ul style="list-style-type: none"> For use with side-mounted auxiliary contact on KT_7 Motor Controllers <ul style="list-style-type: none"> Connects 2 Motor Controllers Connects 3 Motor Controllers Connects 4 Motor Controllers Connects 5 Motor Controllers 	KT_7-25...32S KT_7-25...32H ③	KT7-32-DB-54-2 KT7-32-DB-54-3 KT7-32-DB-54-4 KT7-32-DB-54-5
	Compact Busbar — 54mm Spacing (Rated 120 A) <ul style="list-style-type: none"> For use with front-mounted auxiliary contact on KT_7 Motor Controllers <ul style="list-style-type: none"> Connects 2 Motor Controllers Connects 3 Motor Controllers Connects 4 Motor Controllers 	KT_7-45H	KT7-45-DB-54-2 KT7-45-DB-54-3 KT7-45-DB-54-4
	Compact Busbar — 63 mm Spacing (Rated 120 A) <ul style="list-style-type: none"> For use with side-mounted auxiliary contact on KT_7 Motor Controllers <ul style="list-style-type: none"> Connects 2 Motor Controllers Connects 3 Motor Controllers Connects 4 Motor Controllers 	KT_7-45H	KT7-45-DB-63-2 KT7-45-DB-63-3 KT7-45-DB-63-4
 KTA7-25S to 25H KBH2	Spacer for KT_7-25...32H to KT_7-25...32S <ul style="list-style-type: none"> Accommodates difference in depth from KT_7-25H...32H to KT_7-25S...32S Aligns terminals for compact bus bar connection 	KT_7-25...32S to KT_7-25...32H ③	KBH2
 A2E A3E	Supply Block and Terminal <ul style="list-style-type: none"> For power connection to Compact Busbar — 600V, KT_7-25/32...63A max. / KT_7-45...120A maximum Top feed — overlaps commoning link Meets requirements for terminal spacing from source in Type E applications KT7-25-A2E and KT7-45-A2E are primarily used for bottom cable feed 	KT_7-25...32S or KT_7-25...32H ③	KT7-25-A2E KT7-32-A3E
		KT_7-45H	KT7-45-A2E KT7-45-A3E
	Terminal Cover <ul style="list-style-type: none"> For covering of unused connection terminals IP2X finger protection 	KT_7-25...32 KT_7-45H	KT7-32-DBA KT7-45-DBA

- ① UL Approved (File #E33916); CSA Approved (File #13908).
- ② Compact busbar may not be applied with KT7-25-TE1 or KT7-45-TE Terminal Adaptors. Either Terminal Adaptors or Bus Bar may be used, not both.
- ③ KT7-25...32S and KT7-25...32H may not be combined without KBH2.
- ④ Not for use with KTU7 Circuit Breakers