


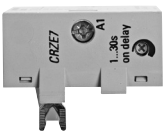
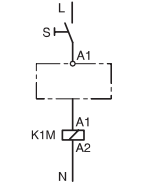
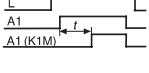
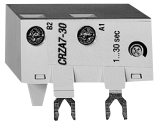
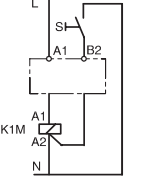
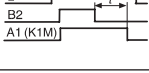
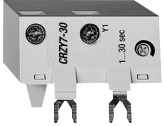
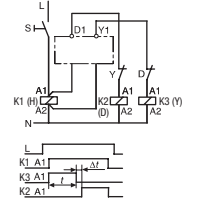

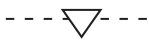



Control Modules ①

| Module | Description | For use with . . . | Connection Diagrams | Function | Catalog Number |
|---|---|--|--|---|--|
|  | Pneumatic Timing Module – The contacts in the Pneumatic Timing Element switch after the delay time. The contacts on the main contactor continue to operate without delay. <ul style="list-style-type: none"> • Continuous adjustment range | CA7 with AC or 24V DC electronic coil |  | ON-Delay 0.3...30s 1.8...180s | CZE7-30 CZE7-180 |
| | | CA7 all |  | OFF-Delay 0.3...30s 1.8...180s | CZA7-30 CZA7-180 |
|  | Electronic Timing Module – ② ON-Delay The contactor is energized at the end of the delay time. | CA7 with 110...240V, 50/60Hz or 110...250V DC |  | 110...240V 50/60Hz 110...250V DC 0.1...3s 1...30s 10...180s | CRZE7-3-110/240 CRZE7-30-110/240 CRZE7-180-110/240 |
| | | CA7 with 24...48V DC |  | 24...48V DC 0.1...3s 1...30s 10...180s | CRZE7-3-24/48VDC CRZE7-30-24/48VDC CRZE7-180-24/48VDC |
|  | Electronic Timing Module – ② OFF-Delay After interruption of the control signal, the contactor is de-energized at the end of the delay time. | CA7-9...37 with 110...240V, 50/60Hz |  | 110...240V 50/60Hz 0.3...3s 1...30s 10...180s | CRZA7-3-110/240 CRZA7-30-110/240 CRZA7-180-110/240 |
| | | CA7-9...37 with 24V, 50/60Hz |  | 24V AC 50/60Hz 0.3...3s 1...30s 10...180s | CRZA7-3-24VAC CRZA7-30-24VAC CRZA7-180-24VAC |
|  | Electronic Timing Module – ② Wye-Delta Transition Timer Contactor K3 (Y) is de-energized and contactor K2 (D) is energized after the end of the set transition time. Switching delay at 50ms. <ul style="list-style-type: none"> • Continuous adjustment range • High repeat accuracy | CA7 with 110...240V, 50/60Hz |  | 110...240V 50/60Hz 1...30s | CRZY7-30-110/240 |
|  | Mechanical/Electrical Interlocks – <ul style="list-style-type: none"> • Common to all CA7 contactors; interlocks different contactor sizes • Mechanical and electrical interlocking possible in one module by means of integrated auxiliary contacts • Dovetail (CA7-S9) connector included (9mm) | CA7 all ① |  | Mechanical Without auxiliaries | CM7 |
| | | |  | Mechanical/Electrical Two NC aux contacts | CM7-02 |

① Not for use with CA7-40 or CA7-90 (4-pole) contactors.
 ② Not available for use on CA7-9E...55E coil voltage 48V...220V.