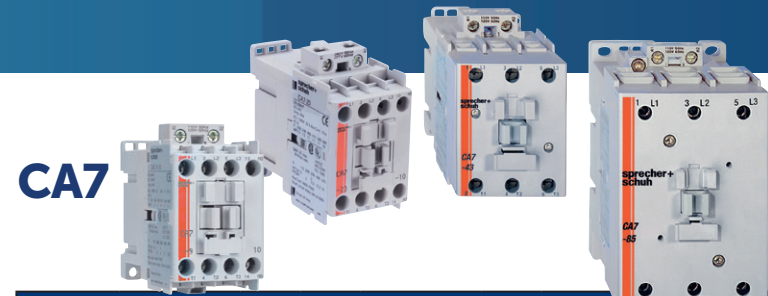


Contactors and Starters

- Non-reversing**
- CA Contactor
 - CAT Starter
 - CBT Starter (Single Phase)
 - CATN Starter (NEMA)
 - CAK7 KWIKstarter 3-Phase
 - CBK7 KWIKstarter 1-Phase
 - CAN7 KWIKstarter 3-Phase (NEMA)
 - CBN7 KWIKstarter 1-Phase (NEMA)
- Reversing**
- CAU Reversing Contactor
 - CBU Reversing Contactor (Single Phase)
 - CAUT Reversing Starter
 - CBUT Reversing Starter (Single Phase)
 - CAUTN Reversing Starter (NEMA)
- Multi-speed**
- CAZTT Multispeed-Two Wind. (Const./VAR TQ)
 - CAZHT Multispeed-Two Wind. (Const. HP)
 - CAETT Multispeed-One Wind. (Const./VAR TQ)
 - CAEHT Multispeed-One Wind. (Const. HP)
- Reduced Voltage**
- CAAT Autotransformer Starter
 - CAYT Wye-Delta Starter
 - CAPWT Part Winding Starter
- Pump Panels**
- CAPT Simplex Pump Panel
 - CAPTN Simplex Pump Panel (NEMA)
 - CADPT Duplex Pump Panel

Large - Series CA9	Small - Series CA7
CA9-116(-EI)	7-9(E)
CA9-146(-EI)	7-12(E)
CA9-190(-EI)	7-16(E)
CA9-205(-EI)	7-23(E)
CA9-265(-EI)	7-30(E)
CA9-305(-EI)	7-37(E)
CA9-370(-EI)	7-43(E)
CA9-400(-EI)	7-55(E)
CA9-460(-EI)	7-60(D)
CA9-580(-EI)	7-72(D)
CA9-750(-EI)	7-85(D)
CA9-860(-EI)	7-97(D)
CA9-1060(-EI)	
CA9-1260(-EI)	
CA9-2050(-EI)	
CA9-2650(-EI)	



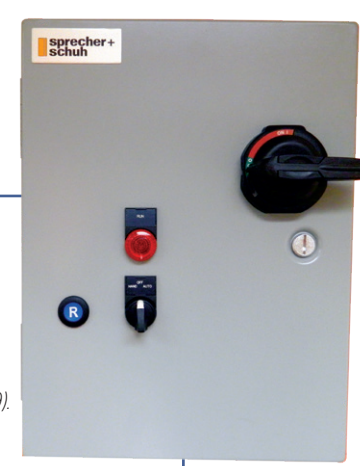
Non-Reversing, Three Pole Contactors Catalog Number

1 NO 0 NC Auxiliary Contacts per Contactor	CA7-9-10-*	CA7-12-10-*	CA7-16-10-*	CA7-23-10-*	CA7-30-10-*	CA7-37-10-*	CA7-43-10-*	CA7-55-10-*	CA7-60-10-*	CA7-72-10-*	CA7-85-10-*	CA7-97-10-*	
0 NO 0 NC Auxiliary Contacts per Contactor	~	~	~	~	CA7-30-00-*	CA7-37-00-*	CA7-43-00-*	CA7-55-00-*	CA7-60-00-*	CA7-72-00-*	CA7-85-00-*	CA7-97-00-*	
UL/CSA HP (60 Hz)	10												
	115V	1/2	1/2	1	2	2	3	3	5	5	5	7-1/2	10
	230V	1-1/2	2	3	3	5	5	7-1/2	10	10	15	15	20
	30												
	200V	2	3	5	5	7-1/2	10	10	15	15	20	25	30
30													
230V	2	3	5	7-1/2	10	10	15	20	20	25	30	30	
460V	5	7-1/2	10	15	20	25	30	40	40	50	60	75	
575V	7-1/2	10	15	15	25	30	30	40	50	60	60	75	



Non-Reversing, Three Pole Contactors Catalog Number

1 NO 1 NC Auxiliary Contacts per Contactor	CA9-116-11-*	CA9-146-11-*	CA9-190-11-*	CA9-205-11-*	CA9-265-11-*	CA9-305-11-*	CA9-370-11-*	CA9-400-11-*	CA9-460-11-*	CA9-580-11-*	CA9-750-11-*	CA9-860-11-*	CA9-1060-11-*	CA9-1260-11-*	CA9-2060-11-*	CA9-2650-11-*	
UL/CSA HP (60 Hz)	10																
	AC-1 (690V)	160	225	275	350	400	500	600	600	700	800	1050	1350	1650	1260	2060	2650
	AC-3 (400V)	116	146	190	205	265	305	370	400	460	580	750	860	1060	~	~	~
	30																
	200V	30	40	50	60	75	100	125	125	150	200	250	~	~	~	~	~
30																	
230V	40	50	60	75	100	125	150	150	200	250	300	400	450	~	~	~	
460V	75	100	125	150	200	250	300	350	400	500	600	800	900	~	~	~	
575V	100	125	150	200	250	300	350	400	500	600	700	1000	1150	~	~	~	



Catalog Number Example



Enclosure Types

Prefix	Type	Usage
G	1	Indoor General Purpose
D	12	Indoor Dust Tight
R	3R	Outdoor Rain Tight
W	4	Outdoor Water Tight (metallic)
C	4X	Corrosion Resistant (non-metallic)
E	7	Type 7/9 Explosion Proof

Sprecher+Schuh across-the-line and reduced voltage starters combine the best-in-class contactors, overload relays and pilot devices with a wide variety of metal and nonmetallic enclosures (Type 1, 12, 3R, 4, 4X or 7/9).

Through-the-door combination starters with MCCB or with L11 disconnect switches (as shown) are available to fit all kinds of applications, and we can customize and build to meet your individual requirements.

Coil Code (or CPT)

CA7	CA9
AC	DC
24Z	12E(DD)
120	24E(DD)
220W	36E(DD)
415	48E(DD)
480	110E(DD)
600	220E(DD)

Control Transformer

Code	Primary	Secondary
XA	208	120
XB	240	120
XC	480	120
XD	575	120
XE	240	24
XF	480	24
XG	380	110

For additional Control Transformer Codes, refer to current Sprecher+Schuh catalog.

Overload Relay

- Direct Mount CEP7 Solid State Overload Relays**
CA7-9 thru CA9-580
- Direct Mount CT7N Bimetallic Overload Relays**
CA7-9 thru CA7-97
- Direct Mount CEP9 Solid State Overload Relays**

CT7N Bimetallic for use with CA7

Direct Mounts to Contactor...	Adjustment Range	Overload Relay Code	Catalog Numbers
CA7-9...CA7-23	0.10...25	AA...AC	CT7N-23-A
CA7-30...CA7-37	15...38	BC	CT7N-37-B
CA7-43...CA7-55	17...60	CC	CT7N-43-C
CA7-60...CA7-97	35...97	DC	CT7N-85-D

CEP9 for use with CA7/CA9

Direct Mount CEP9 Advanced Electronic Overload Relays
Consult Sprecher+Schuh Representative for choosing your CEP9 advanced communication and motor protection.

CEP7-1 for use with CA7

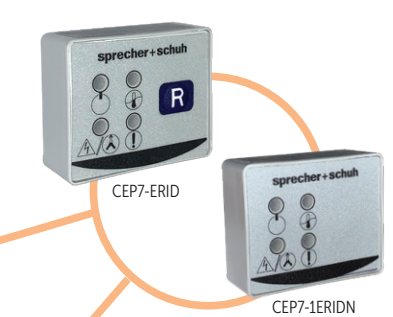
Directly Mounts to Contactor...	Selectable Trip Class		Reset		
	10 or 20		Manual	Manual or Automatic	
	Phase Application		10 or 30	10 or 30	
CA7-9...CA7-23	Adjustment Range (A)	Overload Relay Code	Catalog Number	Overload Relay Code	Catalog Number
	0.1...0.5	1EAB	CEP7-1EEAB	FAB	CEP7-1EFAB
	0.2...1.0	1EBB	CEP7-1EEBB	FBB	CEP7-1EFBB
	1.0...5.0	1ECB	CEP7-1EECB	FCB	CEP7-1EFCEB
CA7-30...CA7-55	3.2...16	1EDB	CEP7-1EEDB	FDB	CEP7-1EFDB
	5.4...27	1EEB	CEP7-1EEEB	FEB	CEP7-1EFEB
	5.4...27	1EED	CEP7-1EEED	FED	CEP7-1EFED
CA7-60...CA7-97	11...55	1EFD	CEP7-1EEFD	FFD	CEP7-1EFFD
	20...100	1EGE	CEP7-1EEGE	FGE	CEP7-1EFGE

O/L for use with CA9

Directly Mounts to Contactor...	Selectable Trip Class		Reset		
	10, 15, 20 & 30		Manual	Manual or Automatic	
	Phase Application		30	30	
CA9-116...146	Adjustment Range (A)	Overload Relay Code	Catalog Number	Overload Relay Code	Catalog Number
	~	30...150	9IP	CEP9...	CEP9...
CA9-190...205	~	40...200	9IP	CEP9...	CEP9...

CEP7-1 Adaptive Modules

Remote Reset	For use with all CEP7-1EF...	CEP7-1ERR
Ground Fault/Jam Protection and Remote Reset		CEP7-1EGJ



The CEP7-ERID Intellibutton offers remote access to your overloads when used in conjunction with the Adaptive Mount Modules

This illustration is for reference only. Refer to current catalog to determine specific catalog number & pricing.