sprecher+schuh

INDUSTRIAL MOTOR CONTROL + PROTECTION

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

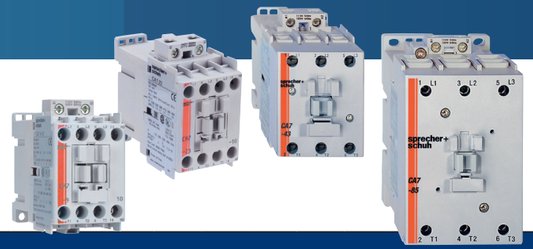
Pump Panels

CAPT	Simplex Pump Panel
CAPTN	Simplex Pump Panel (NEMA)
CADPT	Duplex Pump Panel

Contactors or Starter Type

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	

Contactor Size



CA7

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) 1ø	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
UL/CSA HP (60 Hz) 3ø	200V	2	3	5	5	7-1/2	10	10	15	15	20	25	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

✱ Replace asterisk with Coil Code



CA9

Non-Reversing, Three Pole Contactors Catalog Number

	1 NO 1 NC Auxiliary Contacts per Contactor	CA9-116-11-* CA9-116-EI-11-*	CA9-146-11-* CA9-146-EI-11-*	CA9-190-11-* CA9-190-EI-11-*	CA9-205-11-* CA9-205-EI-11-*	CA9-265-11-* CA9-265-EI-11-*	CA9-305-11-* CA9-305-EI-11-*	CA9-370-11-* CA9-370-EI-11-*	CA9-400-EI-11-*	CA9-460-EI-11-*	CA9-580-EI-11-*	CA9-750-EI-11-*	CA9-860-EI-11-*	CA9-1060-EI-11-*	CA9-1260-EI-*	CA9-2060-EI-*	CA9-2650-EI-*
IEC	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	~	~	~
UL/CSA HP (60 Hz) 3ø	200V	30	40	50	60	75	100	125	125	150	200	250	~	~	~	~	~
	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

Starters and Enclosed Product

CAT | 7-30 | 480 | FFD | TB50 | G | 3

Coil Code (or CPT) ✱

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

1E... CEP7-1 O/L Relay, 1Ø or 3Ø, Class 10 / 20, manual reset

F... CEP7-1 O/L Relay, 1Ø or 3Ø, Class 10 / 15 / 20 / 30, automatic or manual reset

Direct Mount CT7N Bimetallic Overload Relays

CA7-9 thru CA7-97

Manual / Automatic Reset

Direct Mount CEP9 Solid State Overload Relays

Short-Circuit / Disconnect

Enclosure

Enclosure Cover Control

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.



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

CA7-9 thru CA9-205

Range from 0.5 to 200 Amps

Ethernet/IP or Parameter (non-communicating)

Consult a Sprecher + Schuh Representative when choosing the CEP9 advanced communication and motor protection.



CEP7-1 for use with CA7



Selectable Trip Class	10 or 20	10, 15, 20 & 30
Reset	Manual	Manual or Automatic
Phase Application	1Ø or 3Ø	1Ø or 3Ø

Directly Mounts to Contactor...	Adjustment Range (A)	Overload Relay Code ◆	Catalog Number	Overload Relay Code ◆	Catalog Number
CA7-9...CA7-23	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	CEP7-1EFCB
CA7-30...CA7-55	5.4...27	1EED	CEP7-1EEED	FED	CEP7-1EFED
	11...55	1EFD	CEP7-1EEFD	FFD	CEP7-1EFFD
CA7-60...CA7-97	20...100	1EGE	CEP7-1EEGE	FGE	CEP7-1EFGE

O/L for use with CA9





Selectable Trip Class	10, 15, 20 & 30
Reset	Manual or Automatic
Phase Application	3Ø

Directly Mounts to Contactor...	CT Ratio	Adjustment Range (A)	Overload Relay Code ◆	Catalog Number
CA9-116...146	~	30...150	9IP	CEP9...
CA9-190...205	~	40...200	9IP	CEP9...
Current Transformer Kits + O/L Relay				
CA9-116...265	300:5	60...300	CTK	CEP7-CT-UL-300 + CEP7-1EFKZ
CA9-305...580	600:5	120...600	CTM	CEP7-CT-UL-600 + CEP7-1EFMZ

CEP7-1 Adaptive Modules





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



CEP7-ERID



CEP7-1ERIDN

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.

Publication No: MAT-CONTACTORS_v9 11/25