

Contactors and Starters

- Non-reversing**
- CA Contactor
 - CAT Starter
 - CBT Starter (Single Phase)
 - CATN Starter (NEMA)
 - CAK7 KWIKstarter 3-Phase
 - CBK7 KWIKstarter 1-Phase (NEMA)
 - 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
 - CAVT 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)	
CA9-2060(-EI)	
CA9-2650(-EI)	



Non-Reversing, Three Pole Contactors Catalog Number

UL/CSA HP (60 Hz)	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-*
10	2					CA7-30-00-*	CA7-37-00-*	CA7-43-00-*	CA7-55-00-*	CA7-60-00-*	CA7-72-00-*	CA7-85-00-*	CA7-97-00-*
	115V	1/2	1/2	1	2	2	3	3	5	5	5	7-1/2	10
30	230V	1-1/2	2	3	3	5	5	7-1/2	10	10	15	15	20
	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	



Non-Reversing, Three Pole Contactors Catalog Number

UL/CSA HP (60 Hz)	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-*
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)	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



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

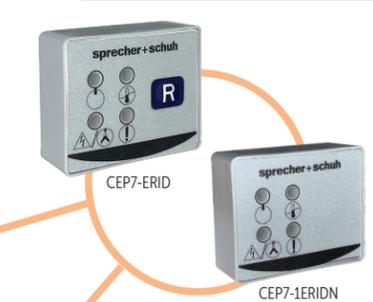
Selectable Trip Class	10 or 20		10, 15, 20 & 30		
	Reset	Manual	Manual or Automatic	Manual or Automatic	
Phase Application	10 or 30		10 or 30		
Directly Mounts to Contactor...	Adjustment Range (A)	Overload Relay Code	Catalog Number	Overload Relay Code	Catalog Number
CA7-9...CA7-23	0.1...0.5	1EAB	CEP7-1EEAB	FAB	CEP7-1EFAB
	0.2...1.0	1EBB	CEP7-1EEBB	FBB	CEP7-1EFBB
	1.0...5.0	1ECB	CEP7-1EECB	FCB	CEP7-1EFCEB
	3.2...16	1EDB	CEP7-1EEDB	FDB	CEP7-1EFDB
CA7-30...CA7-55	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

Selectable Trip Class	10, 15, 20 & 30			
	Reset	Manual or Automatic		
Phase Application	30			
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				
CA9-265...305	300:5		CT3	CEP7-CT-UL-300 + CEP7-1EFKZ
CA9-370...580	600:5		CT6	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



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.

D7 Pilot Devices

The economical solution for high performance control, signaling and switching applications

Illuminated & Non-Illuminated

Pilot Light
Plastic

- D7P-P0
- D7P-P3
- D7P-P4
- D7P-P5
- D7P-P6
- D7P-P7
- D7P-P9

Metal

- D7M-P0
- D7M-P3
- D7M-P4
- D7M-P5
- D7M-P6
- D7M-P7
- D7M-P9

o Pilot light without lens or diffuser

Push Button, Illuminated, Momentary, Flush
Plastic

- D7P-LF0
- D7P-LF3
- D7P-LF4
- D7P-LF5
- D7P-LF6
- D7P-LF7
- D7P-LF9

Metal

- D7M-LF0
- D7M-LF3
- D7M-LF4
- D7M-LF5
- D7M-LF6
- D7M-LF7
- D7M-LF9

o Push Button without Cap

Push Button, Non-illuminated, Momentary, Flush
Plastic

- D7P-F0
- D7P-F1
- D7P-F2
- D7P-F3
- D7P-F4
- D7P-F5
- D7P-F6
- D7P-F9

Metal

- D7M-F0
- D7M-F1
- D7M-F2
- D7M-F3
- D7M-F4
- D7M-F5
- D7M-F6
- D7M-F9

o Push Button without Cap

Push Button, Non-illuminated, Momentary, Extended
Plastic

- D7P-E0
- D7P-E1
- D7P-E2
- D7P-E3
- D7P-E4
- D7P-E5
- D7P-E6
- D7P-E9

Metal

- D7M-E0
- D7M-E1
- D7M-E2
- D7M-E3
- D7M-E4
- D7M-E5
- D7M-E6
- D7M-E9

o Push Button without Cap

E-STOP Push Button, Illuminated
Twist-to-release, 40mm Mushroom

Plastic

- D7P-LMT44

Metal

- D7M-LMT44

Complete Unit

1NC: D7P-LMT44PX01 D7M-LMT44MX01
1 Guardian: D7P-LMT44PX01S D7M-LMT44MX01S
1 Guardian + 1NO: D7P-LMT44PX11S D7M-LMT44MX11S

E-STOP Push Button, Non-Illuminated
Twist-to-release, 40mm Mushroom

Plastic

- D7P-MT44

Metal

- D7M-MT44

Complete Unit

1NC: D7P-MT44PX01 D7M-MT44MX01
1 Guardian: D7P-MT44PX01S D7M-MT44MX01S
1 Guardian + 1NO: D7P-MT44PX11S D7M-MT44MX11S

Standard Push Button, Illuminated
40mm Mushroom, Momentary

Plastic

- D7P-LMM3
- D7P-LMM4
- D7P-LMM5
- D7P-LMM6
- D7P-LMM7

Metal

- D7M-LMM3
- D7M-LMM4
- D7M-LMM5
- D7M-LMM6
- D7M-LMM7

Multi-Function, Illuminated

2 Push Buttons Plastic D7P-LU2 Metal D7M-LU2X

Selector Switch, Illuminated

2 Position, Maintained

Plastic

- D7P-LSM20
- D7P-LSM23
- D7P-LSM24
- D7P-LSM25
- D7P-LSM26
- D7P-LSM27

Metal

- D7M-LSM20
- D7M-LSM23
- D7M-LSM24
- D7M-LSM25
- D7M-LSM26
- D7M-LSM27

3 Position, Maintained

Plastic

- D7P-LSM30
- D7P-LSM33
- D7P-LSM34
- D7P-LSM35
- D7P-LSM36
- D7P-LSM37

Metal

- D7M-LSM30
- D7M-LSM33
- D7M-LSM34
- D7M-LSM35
- D7M-LSM36
- D7M-LSM37

Selector Switch, Non-illuminated

2 Position, Maintained

Plastic

- D7P-SM22

Metal

- D7M-SM22

3 Position, Maintained

Plastic

- D7P-SM32

Metal

- D7M-SM32

Multifunction, Non-illuminated

2 Push Buttons Plastic D7P-U2X Metal D7M-U2X

3 Push Buttons Plastic ^oD7P-U3X Metal D7M-U3X

Monolithic

Indicator Light, Plastic

LED

- D7D-P0N
- D7D-P3N
- D7D-P4N
- D7D-P5N
- D7D-P6N
- D7D-P7N

Incandescent

- D7D-P0D
- D7D-P3D
- D7D-P4D
- D7D-P5D
- D7D-P6D
- D7D-P7D

o Select lamp voltage and terminal type

Push Button, Non-illuminated, Momentary, Plastic

Flush Cap

- D7D-F1
- D7D-F2
- D7D-F3
- D7D-F4
- D7D-F5
- D7D-F6

Extended Cap

- D7D-E1
- D7D-E2
- D7D-E3
- D7D-E4
- D7D-E5
- D7D-E6

o Select cap text/contact configuration

Selector Switch, Non-illuminated, Plastic

2 Position, Maintained

- D7D-SM22X10
- D7D-SM22X01
- D7D-SM22X20
- D7D-SM22X02
- D7D-SM22X11

3 Position, Maintained

- D7D-SM32X20
- D7D-SM32X02
- D7D-SM32X11

E-STOP Push Button, Push-Pull and Twist-to-release, 40mm Mushroom, Plastic

- D7D-MT44X01 1NC
- D7D-MT44X11 1NO 1NC
- D7D-MT44X02 2NC

Switches

Toggle Switch, Metal

2 Position

- D7M-JR2 Momentary
- D7M-JM2 Maintained

4 Position

- D7M-JR4 Momentary
- D7M-JM4 Maintained

Single Turn Potentiometer Assembly

Plastic

- D7P-POT None (Operator Only)
- D7P-POT1 150 Ω
- D7P-POT2 500 Ω
- D7P-POT3 1000 Ω
- D7P-POT4 2500 Ω
- D7P-POT5 5000 Ω
- D7P-POT6 10000 Ω

Resistive Element

Key Selector Switches

2 Position, Maintained

Plastic

- D7P-KM21
- D7P-KM22
- D7P-KM23

Metal

- D7M-KM21
- D7M-KM22
- D7M-KM23

3 Position, Maintained

Plastic

- D7P-KM31
- D7P-KM33
- D7P-KM34
- D7P-KM35

Metal

- D7M-KM31
- D7M-KM33
- D7M-KM34
- D7M-KM35

Selector/Jog Operators

2 Position

Plastic

- D7P-SJ22
- D7P-SJ23

Metal

- D7M-SJ22
- D7M-SJ23

3 Position

Plastic

- D7P-SJ32
- D7P-SJ33

Metal

- D7M-SJ32
- D7M-SJ33

Components

Contact Blocks (latch not included)

- D7-X10 1NO
- D7-X01 1NC
- D7-X10E 1NO Early Make
- D7-X01L 1NC Late Break
- D7-X01B NCEB Early Break
- D7-X10V(1mA) 1NO Low Voltage
- D7-X01V(1mA) 1NC Low Voltage
- D7-X01S Guardian Block

Integrated LED Module (latch not included)

Screw Type

- D7-N3* 24V AC/DC
- D7-N5* 120V AC
- D7-N7* 240V AC
- D7-NU* 24...120V AC/DC

* Add LED Color, R=red, G=green, W=white

Spring-Clamp

- D7-Q3* 24V AC/DC
- D7-Q5* 120V AC
- D7-Q7* 240V AC

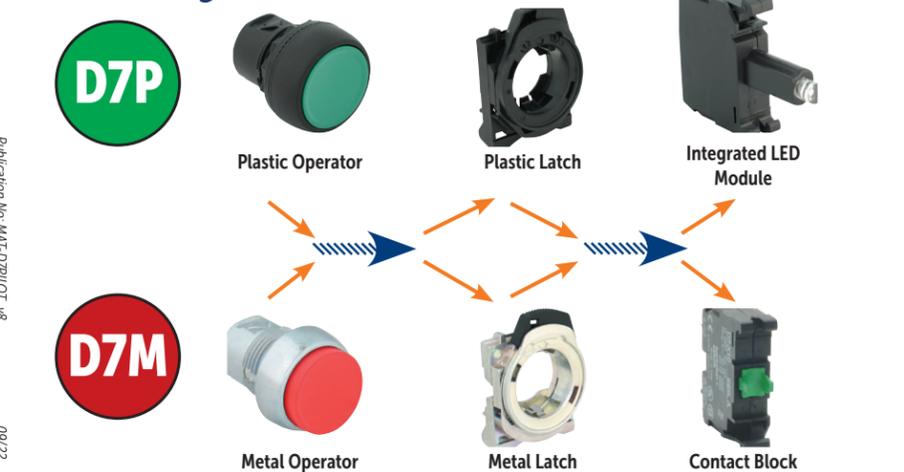
Incandescent Power Module (bulb not included)

- D7-DOC 6-240V AC/DC

Plastic Latch D7-ALP

Metal Latch D7-ALM

Flexibility



Fast Mounting



Superior Design

