C2

Enclosed Contactors

Three Phase, Non-Reversing CA7 & CA9

Continuous Amp Rating - UL/CSA -	Maximum Horsepower Three Phase				Auxiliary Contacts per Contactor ❸		Type 1 General Purpose	DIM ❶	Type 12 [Type 3R ❷] Industrial Dusttight	DIM ❶
Enclosed	200V	230V	460V	575V	NO	NC	Catalog Number		Catalog Number	
25	2	2	5	7.5	1	0	CA7-9-✳-G0	A	CA7-9-✳-D0	L
25	3	3	7.5	10	1	0	CA7-12-✳-G0	A	CA7-12-✳-D0	L
30	5	5	10	15	1	0	CA7-16-✳-G0	A	CA7-16-✳-D0	L
30	5	7.5	15	15	1	0	CA7-23-✳-G0	A	CA7-23-✳-D0	L
55	7.5	10	20	25	1	0	CA7-30-✳-G0	A	CA7-30-✳-D0	L
60	10	10	25	30	1	0	CA7-37-✳-G0	A	CA7-37-✳-D0	L
75	10	15	30	30	1	0	CA7-43-✳-G0	A	CA7-43-✳-D0	L
75	15	20	40	40	1	0	CA7-55-✳-G0	A	CA7-55-✳-D0	L
90	15	20	40	50	1	0	CA7-60-✳-G0	B	CA7-60-✳-D0	M
90	20	25	50	60	1	0	CA7-72-✳-G0	B	CA7-72-✳-D0	M
100	25	30	60	60	1	0	CA7-85-✳-G0	B	CA7-85-✳-D0	M
120	30	30	75	75	1	0	CA7-97-✳-G0	B	CA7-97-✳-D0	O
116	30	40	75	100	1	1	CA9-116-✳-G0 ❹	E	CA9-116-✳-D0 ❹	Q
146	40	50	100	125	1	1	CA9-146-✳-G0 ❹	E	CA9-146-✳-D0 ❹	Q
190	50	60	125	150	1	1	CA9-190-✳-G0 ❹	E	CA9-190-✳-D0 ❹	R
205	60	75	150	200	1	1	CA9-205-✳-G0 ❹	F	CA9-205-✳-D0 ❹	T
265	75	100	200	250	1	1	CA9-265-✳-G0 ❹	F	CA9-265-✳-D0 ❹	T
305	100	125	250	300	1	1	CA9-305-✳-G0 ❹	H	CA9-305-✳-D0 ❹	H
370	125	150	300	350	1	1	CA9-370-✳-G0 ❹	H	CA9-370-✳-D0 ❹	H
400	125	150	350	400	1	1	CA9-400-EI-✳-G0	R/F	CA9-400-EI-✳-D0	R/F
460	150	200	400	500	1	1	CA9-460-EI-✳-G0	R/F	CA9-460-EI-✳-D0	R/F
480	200	250	500	600	1	1	CA9-580-EI-✳-G0	R/F	CA9-580-EI-✳-D0	R/F
750	250	300	600	700	1	1	CA9-750-EI-✳-G0	R/F	CA9-750-EI-✳-D0	R/F
860	~	400	800	1000	1	1	CA9-860-EI-✳-G0	R/F	CA9-860-EI-✳-D0	R/F
1060	~	450	900	1150	1	1	CA9-1060-EI-✳-G0	R/F	CA9-1060-EI-✳-D0	R/F

NOTE: Catalog numbers and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C8:3 and follow the instructions for modifying catalog numbers.

❶ Dimensional information starts on page C8:23.
❷ For Type 3R outdoor applications, replace "D" in catalog number with an "R". Dimensions may change. For example catalog number CA7-23-✳-D0 becomes CA7-23-✳-R0. Price remains the same.
❸ Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.
❹ CA9-116...CA9-370 contactors are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CA9-116-✳-G0 becomes CA9-116-EI-✳-G0. Price adder applies.

Ordering Instructions

Specify Catalog Number	
Replace (✳) with Coil Code Factory Modifications available	**Refer to page C8:3 Refer to pages C8:6-C8:10**

Open and Enclosed Non-Combination Motor Starters

Sprecher + Schuh magnetic motor starters are intended to eliminate the purchase and assembly of a separate contactor, overload relay and associated wiring. When purchased with an enclosure, the starters are mounted and ready to install on receipt.

Built to your specifications and ready to install

Starting with the best

At the heart of all magnetic starters is the Sprecher + Schuh CAT7 and CAT9 line of motor starters. These starters are compact and offer intermediate sizes to better match specific motor requirements. This equates to generous wiring space and less wasted horsepower capacity.

Top line protection...

Magnetic starters are equipped with Sprecher + Schuh's premium CEP7 solid state overload relay standard. Unlike traditional overload relays that indirectly sense motor current through heater elements, CEP7 solid state overload relays measure motor current directly through integrated current transformers and on board electronics. The electronics provide numerous advantages over electromechanical relays. Alternatively, the CT7N Thermal Overload Relay may also be selected.

The right enclosure... whatever the application

Sprecher + Schuh's broad line of IEC style starters can be purchased pre-installed in a variety of standard enclosures. Cataloged enclosures include:

Type 1	General Purpose
Type 12	Industrial Dusttight
Type 3R	Raintight (outdoor)
Type 4	Watertight
Type 4X	Watertight, Corrosion Resistant

Even though these are the most popular enclosure types for most industrial applications, we can house any starter in a custom enclosure of your choosing.

Quality enclosures ensure the highest confidence

Sprecher + Schuh only sources enclosures from name brand manufacturers, ensuring the highest quality. We primarily use enclosures that meet UL Standards, i.e., Type 1, Type 3R, etc., however, we can also source IEC-type enclosures at your request. Enclosures are sized first to accommodate the depth of the contactor and offer sufficient electrical clearances to satisfy UL.

Add a variety of modifications

If you need a larger enclosure than what is specified in our catalog, your sales representative and our Engineering department will work with you to customize any of our enclosed products to suit your exact specifications. Any combination of enclosure types, sizes, pilot devices, meters and other modifications can be combined to provide exactly the panel you need.

Type 1

Type 3R

Type 4

Type 4X

C3:1

C3

Non-Combination Starters

Three Phase, Non-Reversing CAT7 & CAT9

Maximum Horsepower Three Phase				Auxiliary Contacts per Contactor ❸		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ❷] Industrial Dusttight	D I M
200V	230V	460V	575V	NO	NC	Catalog No.	Catalog No.	❶	Catalog No.	❶
2	2	5	7 1/2	1	0	CAT7-9-✶-◆	CAT7-9-✶-◆-G0	A	CAT7-9-✶-◆-D0	L
3	3	7 1/2	10	1	0	CAT7-12-✶-◆	CAT7-12-✶-◆-G0	A	CAT7-12-✶-◆-D0	L
5	5	10	15	1	0	CAT7-16-✶-◆	CAT7-16-✶-◆-G0	A	CAT7-16-✶-◆-D0	L
5	7 1/2	15	15	1	0	CAT7-23-✶-◆	CAT7-23-✶-◆-G0	A	CAT7-23-✶-◆-D0	L
7 1/2	10	20	25	1	0	CAT7-30-✶-◆	CAT7-30-✶-◆-G0	A	CAT7-30-✶-◆-D0	L
10	10	25	30	1	0	CAT7-37-✶-◆	CAT7-37-✶-◆-G0	A	CAT7-37-✶-◆-D0	L
10	15	30	30	1	0	CAT7-43-✶-◆	CAT7-43-✶-◆-G0	A	CAT7-43-✶-◆-D0	M
15	20	40	40	1	0	CAT7-55-✶-◆	CAT7-55-✶-◆-G0	A	CAT7-55-✶-◆-D0	M
15	20	40	50	1	0	CAT7-60-✶-◆	CAT7-60-✶-◆-G0	B	CAT7-60-✶-◆-D0	O
20	25	50	60	1	0	CAT7-72-✶-◆	CAT7-72-✶-◆-G0	B	CAT7-72-✶-◆-D0	O
25	30	60	60	1	0	CAT7-85-✶-◆	CAT7-85-✶-◆-G0	B	CAT7-85-✶-◆-D0	O
30	30	75	75	1	0	CAT7-97-✶-◆	CAT7-97-✶-◆-G0	O	CAT7-97-✶-◆-D0	O
30	40	75	100	1	1	CAT9-116-✶-◆ ❹	CAT9-116-✶-◆-G0 ❹	E2	CAT9-116-✶-◆-D0 ❹	R2
40	50	100	125	1	1	CAT9-146-✶-◆ ❹	CAT9-146-✶-◆-G0 ❹	G	CAT9-146-✶-◆-D0 ❹	T
50	60	125	150	1	1	CAT9-190-✶-◆ ❹	CAT9-190-✶-◆-G0 ❹	G	CAT9-190-✶-◆-D0 ❹	T
60	75	150	200	1	1	CAT9-205-✶-◆ ❹	CAT9-205-✶-◆-G0 ❹	G	CAT9-205-✶-◆-D0 ❹	T
75	100	200	250	1	1	CAT9-265-✶-◆ ❹	CAT9-265-✶-◆-G0 ❹	I	CAT9-265-✶-◆-D0 ❹	I
100	125	250	300	1	1	CAT9-305-✶-◆ ❹	CAT9-305-✶-◆-G0 ❹	I	CAT9-305-✶-◆-D0 ❹	I
125	150	300	350	1	1	CAT9-370-✶-◆ ❹	CAT9-370-✶-◆-G0 ❹	I	CAT9-370-✶-◆-D0 ❹	I
125	150	350	400	1	1	CAT9-400-EI-✶-◆	CAT9-400-EI-✶-◆-G0	R/F	CAT9-400-EI-✶-◆-D0	R/F
150	200	400	500	1	1	CAT9-460-EI-✶-◆	CAT9-460-EI-✶-◆-G0	R/F	CAT9-460-EI-✶-◆-D0	R/F
200	250	500	600	1	1	CAT9-580-EI-✶-◆	CAT9-580-EI-✶-◆-G0	R/F	CAT9-580-EI-✶-◆-D0	R/F
250	300	600	700	1	1	CAT9-750-EI-✶-◆	CAT9-750-EI-✶-◆-G0	R/F	CAT9-750-EI-✶-◆-D0	R/F
~	400	800	1000	1	1	CAT9-860-EI-✶-◆	CAT9-860-EI-✶-◆-G0	R/F	CAT9-860-EI-✶-◆-D0	R/F
~	450	900	1150	1	1	CAT9-1060-EI-✶-◆	CAT9-1060-EI-✶-◆-G0	R/F	CAT9-1060-EI-✶-◆-D0	R/F

NOTE: Catalog numbers and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C8:3 and follow the instructions for modifying catalog numbers.

❶ Dimensional information starts on page C8:23.
❷ For Type 3R outdoor applications, replace "D" in catalog number with an "R". Dimensions may change. For example number CAT7-23-✶-◆-D0 becomes CAT7-23-✶-◆-R0. Price remains the same.
❸ Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.
❹ CAT9-116...CAT9-370 starters are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CAT9-116-✶-◆ becomes CAT9-116-EI-✶-◆ Price adder applies.

Ordering Instructions

Specify Catalog Number	
Replace (✶) with Coil Code	See page C8:3
Replace (◆) with O/L Relay	See page C8:5
Factory Modifications available	See pages C8:6–C8:10

C3:2