

# Open and Enclosed Non-Combination Motor Starters

Built to your  
specifications and ready  
to install

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.

## 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:

<b>Type 1</b>	General Purpose
<b>Type 12</b>	Industrial Dusttight
<b>Type 3R</b>	Raintight (outdoor)
<b>Type 4</b>	Watertight
<b>Type 4X</b>	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**

Non-Combination Starters

### Three Phase, Non-Reversing CAT7 & CAT9

Maximum Horsepower Three Phase				Auxiliary Contacts per Contactor ③		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ②] Industrial Dusttight	D I M
200V	230V	460V	575V	NO	NC	Catalog No.	Catalog No.	①	Catalog No.	①
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-*-*◆④	CAT9-116-*-*◆-G0④	E2	CAT9-116-*-*◆-D0④	R2
40	50	100	125	1	1	CAT9-146-*-*◆④	CAT9-146-*-*◆-G0④	G	CAT9-146-*-*◆-D0④	T
50	60	125	150	1	1	CAT9-190-*-*◆④	CAT9-190-*-*◆-G0④	G	CAT9-190-*-*◆-D0④	T
60	75	150	200	1	1	CAT9-205-*-*◆④	CAT9-205-*-*◆-G0④	G	CAT9-205-*-*◆-D0④	T
75	100	200	250	1	1	CAT9-265-*-*◆④	CAT9-265-*-*◆-G0④	I	CAT9-265-*-*◆-D0④	I
100	125	250	300	1	1	CAT9-305-*-*◆④	CAT9-305-*-*◆-G0④	I	CAT9-305-*-*◆-D0④	I
125	150	300	350	1	1	CAT9-370-*-*◆④	CAT9-370-*-*◆-G0④	I	CAT9-370-*-*◆-D0④	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.

### 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

- ① Dimensional information starts on page C8:23.
- ② 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.
- ③ Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.
- ④ 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.

### Three Phase, Non-Reversing CAT7 & CAT9

Maximum Horsepower Three Phase				Auxiliary Contacts per Contactor ②		Type 4 Watertight	D I M	Type 4X Watertight Corrosion Resistant Non-metallic	D I M
200V	230V	460V	575V	NO	NC	Catalog No.	①	Catalog No.	①
2	2	5	7 1/2	1	0	CAT7-9-*-*♦-W0	N	CAT7-9-*-*♦-C0	S1
3	3	7 1/2	10	1	0	CAT7-12-*-*♦-W0	N	CAT7-12-*-*♦-C0	S1
5	5	10	15	1	0	CAT7-16-*-*♦-W0	N	CAT7-16-*-*♦-C0	S1
5	7 1/2	15	15	1	0	CAT7-23-*-*♦-W0	N	CAT7-23-*-*♦-C0	S1
7 1/2	10	20	25	1	0	CAT7-30-*-*♦-W0	O	CAT7-30-*-*♦-C0	U1
10	10	25	30	1	0	CAT7-37-*-*♦-W0	O	CAT7-37-*-*♦-C0	U1
10	15	30	30	1	0	CAT7-43-*-*♦-W0	O	CAT7-43-*-*♦-C0	U1
15	20	40	40	1	0	CAT7-55-*-*♦-W0	O	CAT7-55-*-*♦-C0	U1
15	20	40	50	1	0	CAT7-60-*-*♦-W0	O	CAT7-60-*-*♦-C0	U1
20	25	50	60	1	0	CAT7-72-*-*♦-W0	O	CAT7-72-*-*♦-C0	U1
25	30	60	60	1	0	CAT7-85-*-*♦-W0	O	CAT7-85-*-*♦-C0	U1
30	30	75	75	1	0	CAT7-97-*-*♦-W0	O	CAT7-97-*-*♦-C0	V1
30	40	75	100	1	1	CAT9-116-*-*♦-W0 ③	R2	CAT9-116-*-*♦-C0 ③	W2
40	50	100	125	1	1	CAT9-146-*-*♦-W0 ③	T	CAT9-146-*-*♦-C0 ③	X1
50	60	125	150	1	1	CAT9-190-*-*♦-W0 ③	T	CAT9-190-*-*♦-C0 ③	X1
60	75	150	200	1	1	CAT9-205-*-*♦-W0 ③	T	CAT9-205-*-*♦-C0 ③	X1
75	100	200	250	1	1	CAT9-265-*-*♦-W0 ③	J	CAT9-265-*-*♦-C0 ③	X1
100	125	250	300	1	1	CAT9-305-*-*♦-W0 ③	J	CAT9-305-*-*♦-C0 ③	Y1
125	150	300	350	1	1	CAT9-370-*-*♦-W0 ③	J	CAT9-370-*-*♦-C0 ③	Y1
125	150	350	400	1	1	CAT9-400-EI-*-*♦-W0	R/F	CAT9-400-EI-*-*♦-C0	R/F
150	200	400	500	1	1	CAT9-460-EI-*-*♦-W0	R/F	CAT9-460-EI-*-*♦-C0	R/F
200	250	500	600	1	1	CAT9-580-EI-*-*♦-W0	R/F	CAT9-580-EI-*-*♦-C0	R/F
250	300	600	700	1	1	CAT9-750-EI-*-*♦-W0	R/F	CAT9-750-EI-*-*♦-C0	R/F
~	400	800	1000	1	1	CAT9-860-EI-*-*♦-W0	R/F	CAT9-860-EI-*-*♦-C0	R/F
~	450	900	1150	1	1	CAT9-1060-EI-*-*♦-W0	R/F	CAT9-1060-EI-*-*♦-C0	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.

### 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

① Dimensional information starts on page C8:23.

② Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.

③ CAT9-116...CAT9-370 starters are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CAT9-116-\*-\*♦-W0 becomes CAT9-116-EI-\*-\*♦-W0. Price adder applies.

## Three Phase, Reversing CAUT7 &amp; CAUT9

Maximum Horsepower Three Phase				Auxiliary Contacts per Contactor ③		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ②] Industrial Dusttight	D I M
200V	230V	460V	575V	NO	NC ④	Catalog No.	Catalog No.	①	Catalog No.	①
2	2	5	7 1/2	1	1	CAUT7-9-*-*◆	CAUT7-9-*-*◆-G0	A	CAUT7-9-*-*◆-D0	M
3	3	7 1/2	10	1	1	CAUT7-12-*-*◆	CAUT7-12-*-*◆-G0	A	CAUT7-12-*-*◆-D0	M
5	5	10	15	1	1	CAUT7-16-*-*◆	CAUT7-16-*-*◆-G0	A	CAUT7-16-*-*◆-D0	M
5	7 1/2	15	15	1	1	CAUT7-23-*-*◆	CAUT7-23-*-*◆-G0	A	CAUT7-23-*-*◆-D0	M
7 1/2	10	20	25	1	1	CAUT7-30-*-*◆	CAUT7-30-*-*◆-G0	A	CAUT7-30-*-*◆-D0	M
10	10	25	30	1	1	CAUT7-37-*-*◆	CAUT7-37-*-*◆-G0	A	CAUT7-37-*-*◆-D0	M
10	15	30	30	1	1	CAUT7-43-*-*◆	CAUT7-43-*-*◆-G0	B	CAUT7-43-*-*◆-D0	M
15	20	40	40	1	1	CAUT7-55-*-*◆	CAUT7-55-*-*◆-G0	B	CAUT7-55-*-*◆-D0	M
15	20	40	50	1	1	CAUT7-60-*-*◆	CAUT7-60-*-*◆-G0	C	CAUT7-60-*-*◆-D0	O
20	25	50	60	1	1	CAUT7-72-*-*◆	CAUT7-72-*-*◆-G0	C	CAUT7-72-*-*◆-D0	O
25	30	60	60	1	1	CAUT7-85-*-*◆	CAUT7-85-*-*◆-G0	C	CAUT7-85-*-*◆-D0	O
30	30	75	75	1	1	CAUT7-97-*-*◆	CAUT7-97-*-*◆-G0	C	CAUT7-97-*-*◆-D0	O
30	40	75	100	1	1	CAUT9-116-*-*◆⑤	CAUT9-116-*-*◆-G0⑤	E2	CAUT9-116-*-*◆-D0⑤	R2
40	50	100	125	1	1	CAUT9-146-*-*◆⑤	CAUT9-146-*-*◆-G0⑤	G	CAUT9-146-*-*◆-D0⑤	T
50	60	125	150	1	1	CAUT9-190-*-*◆⑤	CAUT9-190-*-*◆-G0⑤	G	CAUT9-190-*-*◆-D0⑤	T
60	75	150	200	1	1	CAUT9-205-*-*◆⑤	CAUT9-205-*-*◆-G0⑤	G	CAUT9-205-*-*◆-D0⑤	T
75	100	200	250	1	1	CAUT9-265-*-*◆⑤	CAUT9-265-*-*◆-G0⑤	I	CAUT9-265-*-*◆-D0⑤	I
100	125	250	300	1	1	CAUT9-305-*-*◆⑤	CAUT9-305-*-*◆-G0⑤	I	CAUT9-305-*-*◆-D0⑤	I
125	150	300	350	1	1	CAUT9-370-*-*◆⑤	CAUT9-370-*-*◆-G0⑤	I	CAUT9-370-*-*◆-D0⑤	I
125	150	350	400	1	1	CAUT9-400-EI-*-*◆	CAUT9-400-EI-*-*◆-G0	R/F	CAUT9-400-EI-*-*◆-D0	R/F
150	200	400	500	1	1	CAUT9-460-EI-*-*◆	CAUT9-460-EI-*-*◆-G0	R/F	CAUT9-460-EI-*-*◆-D0	R/F
200	250	500	600	1	1	CAUT9-580-EI-*-*◆	CAUT9-580-EI-*-*◆-G0	R/F	CAUT9-580-EI-*-*◆-D0	R/F
250	300	600	700	1	1	CAUT9-750-EI-*-*◆	CAUT9-750-EI-*-*◆-G0	R/F	CAUT9-750-EI-*-*◆-D0	R/F
~	400	800	1000	1	1	CAUT9-860-EI-*-*◆	CAUT9-860-EI-*-*◆-G0	R/F	CAUT9-860-EI-*-*◆-D0	R/F
~	450	900	1150	1	1	CAUT9-1060-EI-*-*◆	CAUT9-1060-EI-*-*◆-G0	R/F	CAUT9-1060-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.

## 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

- ① Dimensional information starts on page C8:23.
- ② For Type 3R outdoor applications, replace "D" in catalog number with an "R". Dimensions may change. For example number CAUT7-23-\*-\*◆-D0 becomes CAUT7-23-\*-\*◆-R0. Price remains the same.
- ③ Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.
- ④ One N.C. auxiliary contact is used for electrical interlocking. On CAUT7 reversing starters, the N.C. contact comes from the Mechanical/Electrical Interlock unit (Cat # CM7-02).
- ⑤ CAUT9-116...CAUT9-370 starters are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CAUT9-116-\*-\*◆ becomes CAUT9-116-EI-\*-\*◆. Price adder applies.

### Three Phase, Reversing CAUT7 & CAUT9

Maximum Horsepower Three Phase				Auxiliary Contacts per Contactor ②		Type 4 Watertight Catalog No.	D I M	Type 4X Watertight Corrosion Resistant Non-metallic Catalog No.	D I M
200V	230V	460V	575V	NO	NC ③		①		①
2	2	5	7 1/2	1	1	CAUT7-9-*-*♦-W0	N	CAUT7-9-*-*♦-C0	U1
3	3	7 1/2	10	1	1	CAUT7-12-*-*♦-W0	N	CAUT7-12-*-*♦-C0	U1
5	5	10	15	1	1	CAUT7-16-*-*♦-W0	N	CAUT7-16-*-*♦-C0	U1
5	7 1/2	15	15	1	1	CAUT7-23-*-*♦-W0	N	CAUT7-23-*-*♦-C0	U1
7 1/2	10	20	25	1	1	CAUT7-30-*-*♦-W0	O	CAUT7-30-*-*♦-C0	U1
10	10	25	30	1	1	CAUT7-37-*-*♦-W0	O	CAUT7-37-*-*♦-C0	U1
10	15	30	30	1	1	CAUT7-43-*-*♦-W0	O	CAUT7-43-*-*♦-C0	U1
15	20	40	40	1	1	CAUT7-55-*-*♦-W0	O	CAUT7-55-*-*♦-C0	U1
15	20	40	50	1	1	CAUT7-60-*-*♦-W0	O	CAUT7-60-*-*♦-C0	V1
20	25	50	60	1	1	CAUT7-72-*-*♦-W0	O	CAUT7-72-*-*♦-C0	V1
25	30	60	60	1	1	CAUT7-85-*-*♦-W0	O	CAUT7-85-*-*♦-C0	V1
30	30	75	75	1	1	CAUT7-97-*-*♦-W0	O	CAUT7-97-*-*♦-C0	V1
30	40	75	100	1	1	CAUT9-116-*-*♦-W0 ④	R2	CAUT9-116-*-*♦-C0 ④	W2
40	50	100	125	1	1	CAUT9-146-*-*♦-W0 ④	T	CAUT9-146-*-*♦-C0 ④	X1
50	60	125	150	1	1	CAUT9-190-*-*♦-W0 ④	T	CAUT9-190-*-*♦-C0 ④	X1
60	75	150	200	1	1	CAUT9-205-*-*♦-W0 ④	T	CAUT9-205-*-*♦-C0 ④	X1
75	100	200	250	1	1	CAUT9-265-*-*♦-W0 ④	J	CAUT9-265-*-*♦-C0 ④	Y1
100	125	250	300	1	1	CAUT9-305-*-*♦-W0 ④	J	CAUT9-305-*-*♦-C0 ④	Y1
125	150	300	350	1	1	CAUT9-370-*-*♦-W0 ④	J	CAUT9-370-*-*♦-C0 ④	Y1
125	150	350	400	1	1	CAUT9-400-EI-*-*♦-W0	R/F	CAUT9-400-EI-*-*♦-C0	R/F
150	200	400	500	1	1	CAUT9-460-EI-*-*♦-W0	R/F	CAUT9-460-EI-*-*♦-C0	R/F
200	250	500	600	1	1	CAUT9-580-EI-*-*♦-W0	R/F	CAUT9-580-EI-*-*♦-C0	R/F
250	300	600	700	1	1	CAUT9-750-EI-*-*♦-W0	R/F	CAUT9-750-EI-*-*♦-C0	R/F
~	400	800	1000	1	1	CAUT9-860-EI-*-*♦-W0	R/F	CAUT9-860-EI-*-*♦-C0	R/F
~	450	900	1150	1	1	CAUT9-1060-EI-*-*♦-W0	R/F	CAUT9-1060-EI-*-*♦-C0	R/F

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### Ordering Instructions

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- ① Dimensional information starts on page C8:23.
- ② Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.
- ③ One N.C. auxiliary contact is used for electrical interlocking. On CAUT7 reversing starters, the N.C. contact comes from the Mechanical/Electrical Interlock unit (Cat # CM7-02).
- ④ CAUT9-116...CAUT9-370 starters are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CAUT9-116-\*-\*♦-W0 becomes CAUT9-116-EI-\*-\*♦-W0. Price adder applies.

### Single Phase, Non-Reversing CBT7

Maximum Horsepower Single Ø		Auxiliary Contacts per Contactor ③		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ②] Industrial Dusttight	D I M	Type 4 Watertight	D I M	Type 4X Watertight Corrosion Resistant	D I M
115V	230V	NO	NC	Catalog No.	Catalog No.	①	Catalog No.	①	Catalog No.	①	Catalog No.	①
				CBT7-	CBT7-		CBT7-		CBT7-		CBT7-	
1/2	1 1/2	1	0	9-*-◆	9-*-◆-G0	A	9-*-◆-D0	L	9-*-◆-W0	N	9-*-◆-C0	S1
1/2	2	1	0	12-*-◆	12-*-◆-G0	A	12-*-◆-D0	L	12-*-◆-W0	N	12-*-◆-C0	S1
1	3	1	0	16-*-◆	16-*-◆-G0	A	16-*-◆-D0	L	16-*-◆-W0	N	16-*-◆-C0	S1
2	3	1	0	23-*-◆	23-*-◆-G0	A	23-*-◆-D0	L	23-*-◆-W0	N	23-*-◆-C0	S1
2	5	1	0	30-*-◆	30-*-◆-G0	A	30-*-◆-D0	L	30-*-◆-W0	O	30-*-◆-C0	U1
3	5	1	0	37-*-◆	37-*-◆-G0	A	37-*-◆-D0	L	37-*-◆-W0	O	37-*-◆-C0	U1
3	7 1/2	1	0	43-*-◆	43-*-◆-G0	A	43-*-◆-D0	M	43-*-◆-W0	O	43-*-◆-C0	U1
5	10	1	0	60-*-◆	60-*-◆-G0	B	60-*-◆-D0	O	60-*-◆-W0	O	60-*-◆-C0	U1
5	15	1	0	72-*-◆	72-*-◆-G0	B	72-*-◆-D0	O	72-*-◆-W0	O	72-*-◆-C0	U1
7 1/2	15	1	0	85-*-◆	85-*-◆-G0	B	85-*-◆-D0	O	85-*-◆-W0	O	85-*-◆-C0	U1

**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.

### 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

- ① Dimensional information starts on page C8:23.
- ② For Type 3R outdoor applications, replace "D" in catalog number with an "R". Dimensions may change. For example number CBT7-23-\*-◆-D0 becomes CBT7-23-\*-◆-R0. Price remains the same.
- ③ Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.



## Single Phase, Reversing CBUTR7 (Reconnectable Winding – Three Lead Motor)

Maximum Horsepower Single Ø		Auxiliary Contacts per Contactor ④		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ②] Industrial Dusttight	D I M	Type 4 Watertight	D I M	Type 4X Watertight Corrosion Resistant Non-metallic	D I M
115V	230V	NO	NC ④	Catalog No.	Catalog No.	①	Catalog No.	①	Catalog No.	①	Catalog No.	①
				CBUTR7-	CBUTR7-		CBUTR7-		CBUTR7-		CBUTR7-	
1/2	11/2	1	1	9-*◆	9-*◆-G0	A	9-*◆-D0	M	9-*◆-W0	N	9-*◆-C0	U1
1/2	2	1	1	12-*◆	12-*◆-G0	A	12-*◆-D0	M	12-*◆-W0	N	12-*◆-C0	U1
1	3	1	1	16-*◆	16-*◆-G0	A	16-*◆-D0	M	16-*◆-W0	N	16-*◆-C0	U1
2	3	1	1	23-*◆	23-*◆-G0	A	23-*◆-D0	M	23-*◆-W0	N	23-*◆-C0	U1
2	5	1	1	30-*◆	30-*◆-G0	A	30-*◆-D0	M	30-*◆-W0	O	30-*◆-C0	U1

## Single Phase, Reversing CBUTS7 (Series Winding – Four Lead Repulsion Induction Motor)

Maximum Horsepower Single Ø		Auxiliary Contacts per Contactor ④		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ②] Industrial Dusttight	D I M	Type 4 Watertight	D I M	Type 4X Watertight Corrosion Resistant Non-metallic	D I M
115V	230V	NO	NC ④	Catalog No.	Catalog No.	①	Catalog No.	①	Catalog No.	①	Catalog No.	①
				CBUTS7-	CBUTS7-		CBUTS7-		CBUTS7-		CBUTS7-	
1/2	11/2	1	1	9-*◆	9-*◆-G0	A	9-*◆-D0	M	9-*◆-W0	N	9-*◆-C0	U1
1/2	2	1	1	12-*◆	12-*◆-G0	A	12-*◆-D0	M	12-*◆-W0	N	12-*◆-C0	U1
1	3	1	1	16-*◆	16-*◆-G0	A	16-*◆-D0	M	16-*◆-W0	N	16-*◆-C0	U1
2	3	1	1	23-*◆	23-*◆-G0	A	23-*◆-D0	M	23-*◆-W0	N	23-*◆-C0	U1
2	5	1	1	30-*◆	30-*◆-G0	A	30-*◆-D0	M	30-*◆-W0	O	30-*◆-C0	U1

## Single Phase, Reversing CBUTP7 (Parallel Winding – Four Lead Capacitor or Split Phase Motor)

Maximum Horsepower Single Ø		Auxiliary Contacts per Contactor ④		Open Type	Type 1 General Purpose	D I M	Type 12 [Type 3R ②] Industrial Dusttight	D I M	Type 4 Watertight	D I M	Type 4X Watertight Corrosion Resistant Non-metallic	D I M
115V	230V	NO	NC ④	Catalog No.	Catalog No.	①	Catalog No.	①	Catalog No.	①	Catalog No.	①
				CBUTP7-	CBUTP7-		CBUTP7-		CBUTP7-		CBUTP7-	
1/2	11/2	1	1	9-*◆	9-*◆-G0	A	9-*◆-D0	M	9-*◆-W0	N	9-*◆-C0	U1
1/2	2	1	1	12-*◆	12-*◆-G0	A	12-*◆-D0	M	12-*◆-W0	N	12-*◆-C0	U1
1	3	1	1	16-*◆	16-*◆-G0	A	16-*◆-D0	M	16-*◆-W0	N	16-*◆-C0	U1
2	3	1	1	23-*◆	23-*◆-G0	A	23-*◆-D0	M	23-*◆-W0	N	23-*◆-C0	U1
2	5	1	1	30-*◆	30-*◆-G0	A	30-*◆-D0	M	30-*◆-W0	O	30-*◆-C0	U1

**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.

## 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

- ① Dimensional information starts on page C8:23.
- ② For Type 3R outdoor applications, replace "D" in catalog number with an "R". Dimensions may change. For example number CBUTx7-23-\*◆-D0 becomes CBUTx7-23-\*◆-R0. Price remains the same.
- ③ Contactors are equipped with number and type of auxiliaries indicated. See page C8:7 to order additional or different auxiliary contacts.
- ④ One N.C. auxiliary contact is used for electrical interlocking. On CAUT7 reversing starters, the N.C. contact comes from the Mechanical/Electrical Interlock unit (Cat # CM7-02).