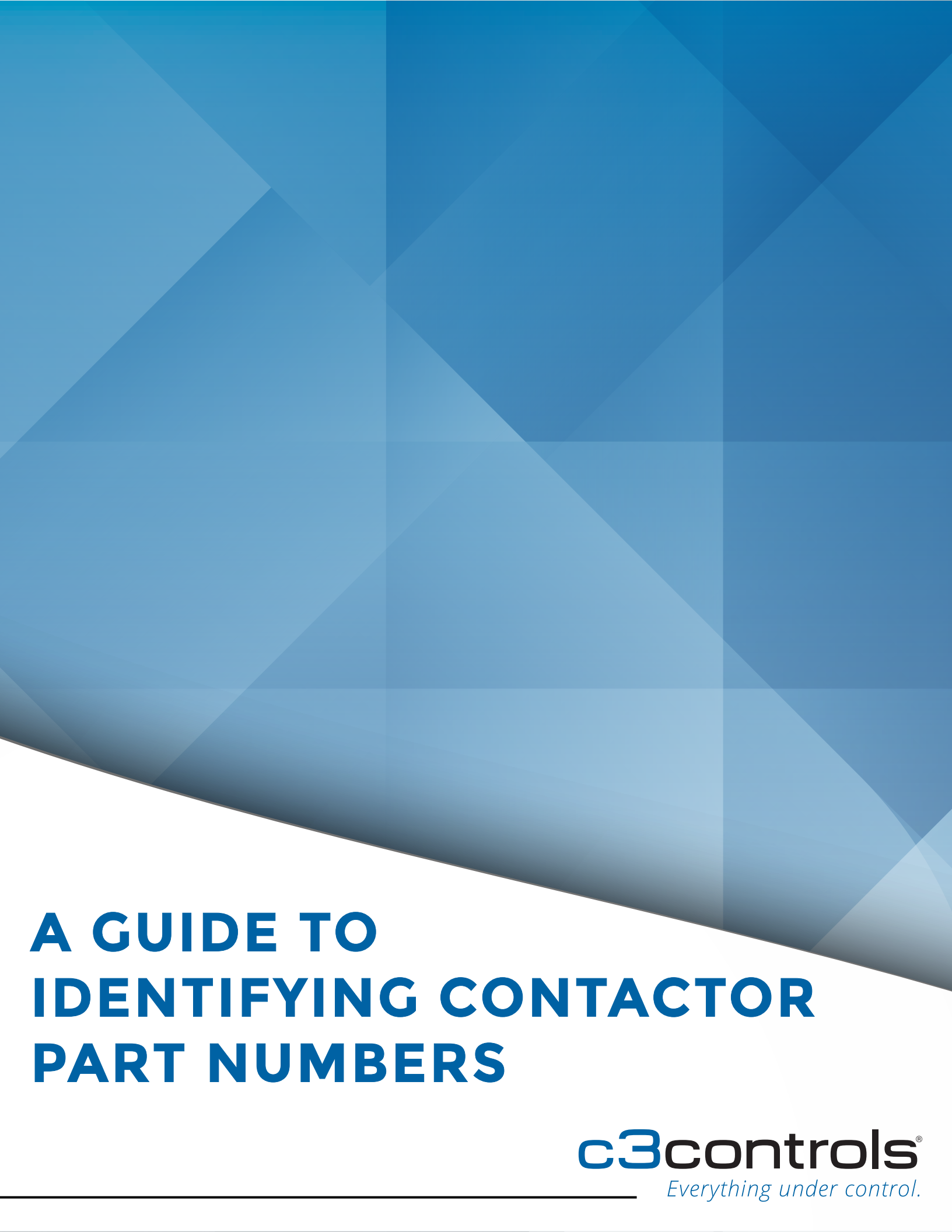




A GUIDE TO IDENTIFYING CONTACTOR PART NUMBERS

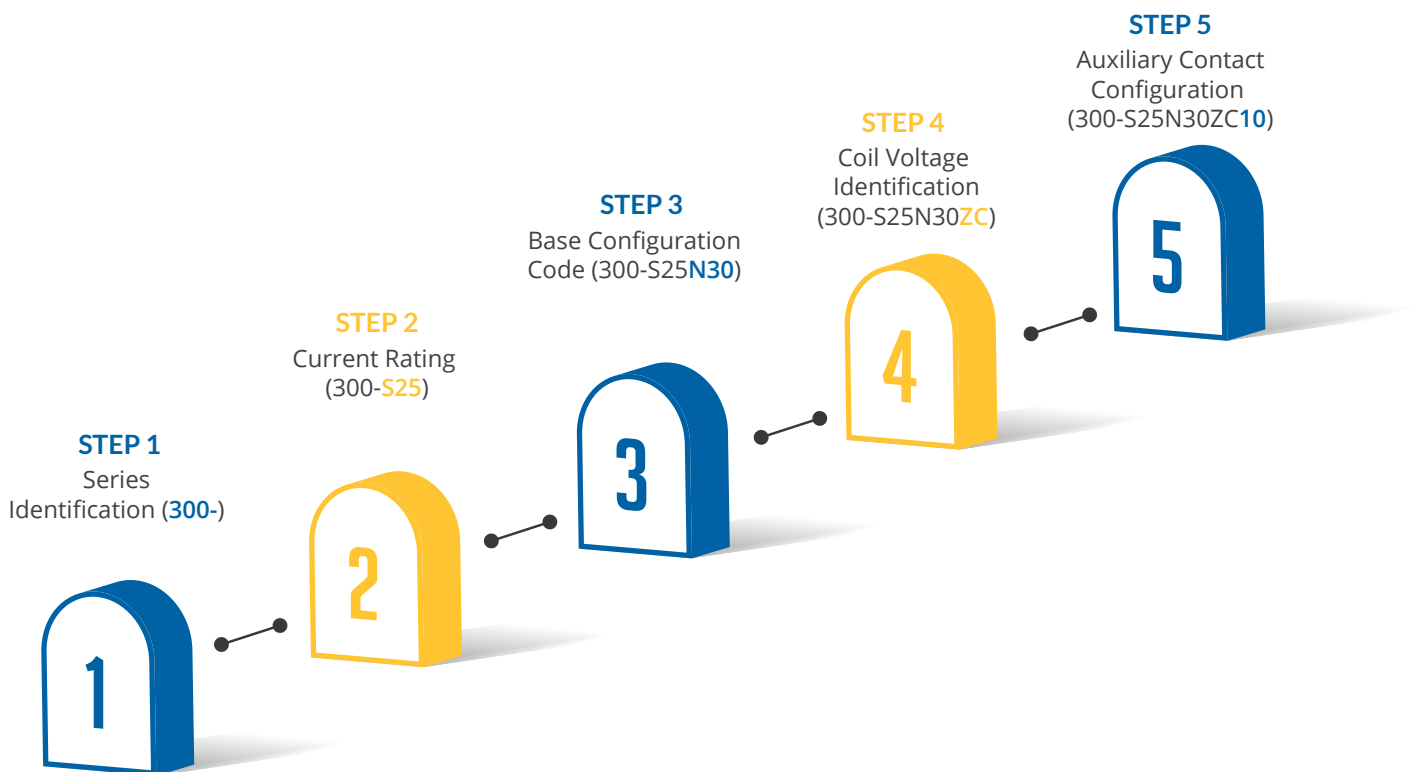
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Introduction

This guide will help you determine the complete part number of a contactor by examining its physical sample and referencing the catalog configurator. To illustrate this process, we will use the example of part no. 300-S25N30ZC10.

Part Number Breakdown

The part number is composed of several key components that describe the contactor's specifications.



Step 1: Series Identification (300-)

Series Code: 300/310

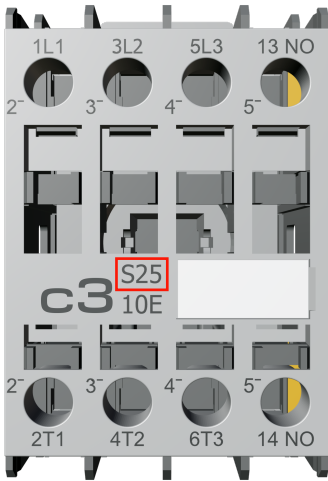
- This is the initial series identifier for the contactor
- Indicates the product line or family

300-	Standard Contactor
310-	Reversing Contactor

Step 2: Current Rating (300-S25)

Current Rating Code: S25

- Located on the face plate of the contactor
- In our example, S25 indicates a 25 Amp contactor



I. NON-REVERSING CONTACTORS (3 NORMALLY OPEN POLES)													
CODE	MAX. I _e (A)		RATINGS FOR SWITCHING AC MOTORS - AC-2, AC-3										LIST
			kW (50Hz)				HP (60Hz)						
			3 PHASE				1 PHASE		3 PHASE				
	AC-3	AC-1	230V	400/415V	500V	690V	115V	230V	200V	230V	460V	575V	
300-S09N30	9	25	2.2	4	5.5	5.5	1/2	1-1/2	3	3	5	7-1/2	\$ 53.00
300-S12N30	12	25	3	5.5	7.5	7.5	3/4	2	3	3	7-1/2	10	\$ 79.00
300-S18N30	18	32	4	7.5	10	10	1	3	5	5	10	15	\$ 87.00
300-S25N30	25	45	7.5	11	15	15	2	3	7-1/2	7-1/2	15	15	\$ 99.00
300-S32N30	32	60	9	15	18.5	18.5	3	5	10	10	20	25	\$130.00
300-S40N30	40	60	11	18.5	25	30	3	5	10	15	30	25	\$178.00
300-S50N30	50	90	15	22	30	35	3	7-1/2	15	15	40	40	\$284.00
300-S65N30	65	110	18.5	30	40	45	5	10	20	20	50	50	\$350.00
300-S80N30	80	110	22	37	45	45	7-1/2	15	20	25	50	60	\$405.00
300-S95N30	95	140	25	45	55	55	7-1/2	15	25	30	60	75	\$500.00
300-S105N30	105	140	30	55	65	65	10	20	30	40	75	75	\$545.00

Step 3: Base Configuration Code (300-S25N30)

Base Code: N30

- N30 indicates 3 normally open contacts
- This information can be found on the side label of the contactor (see image on right)

I. NON-REVERSING CONTACTORS (3 NORMALLY OPEN POLES)													
		MAX. I _e (A)		RATINGS FOR SWITCHING AC MOTORS - AC-2, AC-3									
				kW (50Hz)				HP (60Hz)					
				3 PHASE				1 PHASE		3 PHASE			
CODE	AC-3	AC-1	230V	400/415V	500V	690V	115V	230V	200V	230V	460V	575V	
300-S09N30	9	25	2.2	4	5.5	5.5	1/2	1-1/2	3	3	5	7-1/2	
300-S12N30	12	25	3	5.5	7.5	7.5	3/4	2	3	3	7-1/2	10	
300-S18N30	18	32	4	7.5	10	10	1	3	5	5	10	15	
300-S25N30	25	45	7.5	11	15	15	2	3	7-1/2	7-1/2	15	15	
300-S32N30	32	60	9	15	18.5	18.5	3	5	10	10	20	25	
300-S40N30	40	60	11	18.5	25	30	3	5	10	15	30	25	
300-S50N30	50	90	15	22	30	35	3	7-1/2	15	15	40	40	
300-S65N30	65	110	18.5	30	40	45	5	10	20	20	50	50	
300-S80N30	80	110	22	37	45	45	7-1/2	15	20	25	50	60	
300-S95N30	95	140	25	45	55	55	7-1/2	15	25	30	60	75	

c3controls®
Cat. 300-S25N30

IEC/EN 60947
I_{th} = 32A UI = 1000V
Cont. Aux I_{th} = 16A
Torque 1 ... 1,9 Nm 2x 0,5 ... 6mm²

U_e (V) 240 400 440 690
220 380 415 500 660

AC3 kW 6,5 12,5 12,5 12,5 12,5
HP 8,7 16,8 16,8 16,8 16,8
I_e AC3 A 25 25 25 19 15

UL US LISTED
IND CONT EQ
E236197
AUX CONT, A600 P600

32A 600V
AC max 50/60 Hz
Break all lines
2x 20-10 AWG
Cu wire only
60/75 °C
Torque 15 lb-in

HP
2
3
7-1/2
7-1/2
15
15

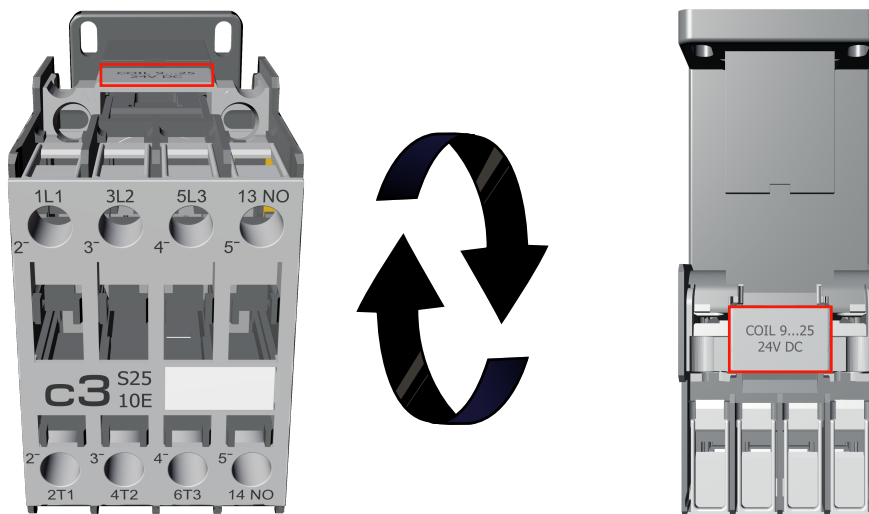
S.C. ratings see Instruction Leaflet
Intended to be used with
300/310-S Series Contactors

SER B

Step 4: Coil Voltage Identification (300-S25N30ZC)

Coil Voltage Code: ZC

- The coil voltage can be found by tilting the product
- Rotate the contactor in the downward direction
- Once rotated, locate the coil voltage rating highlighted in red on the top of the contactor.
- Match this coil voltage with codes in the table below
- In our example, ZC represents a 24V DC coil



II. COIL VOLTAGE CODE

AC COIL VOLTAGE CODES

VOLTAGE	12	24	48	110 / 120	208	220	230	240	277	400	400 ~ 415	480	500	550	600
50Hz	—	—	—	D	—	—	—	—	—	—	R	—	T	U	—
60Hz	—	—	—	D	L	—	—	F	P	—	—	R	—	—	T
50/60Hz	XB	XC	XJ	—	—	XAJ	XN	—	—	XAM	—	—	—	—	—

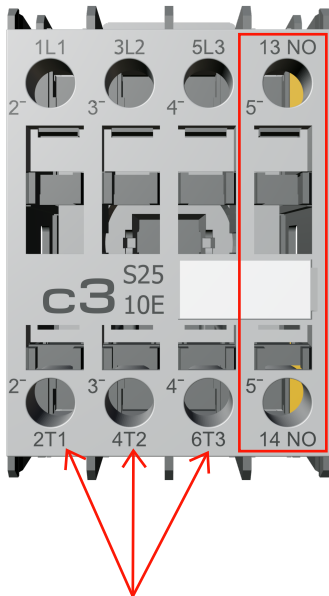
DC COIL VOLTAGE CODES

VOLTAGE	12	24	24 ~ 28	125	110 ~ 130	208 ~ 240	250	LIST
-S09 to -S25	ZB	ZC	—	ZQ	—	—	ZP	\$ 35.00
-S32 to -S40	ZB	ZC	—	ZQ	—	—	ZP	\$ 78.00
-S50 to -S105	—	—	EC	—	EL	EE	—	\$282.00

Step 5: Auxiliary Contact Configuration (300-S25N30ZC10)

Auxiliary Contact Code: 10

- In our example, 10 indicates one Normally Open auxiliary contact



3 Power Pole

Auxiliary Contact

III. AUXILIARY CONTACT CONFIGURATION		
CODE	DESCRIPTION	LIST
00	Without Auxiliary Contacts (Contactors 300-S32 to 300-S105 only)	—
10	1 Normally Open*	\$ 18.00
01	1 Normally Closed*	\$ 18.00
*NOTE: Integral right side mounted on 9A ~ 25A contactors, front mounted on 32A ~ 105A contactors.		

Final Part Number Construction

- Start with series: **300**
- Add current rating: 300-**S25**
- Add base configuration: 300-S25**N30** (Can be found on the label)
- Add coil voltage: 300-S25N30**ZC**
- Add auxiliary contact: 300-S25N30ZC**10**



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