

100-C, 4-Pole Contactors – 9...85A

The 100-C line of MCS contactors has now expanded its offering of 4-pole contactors. With the addition of the new 100-C40 and 100-C90, we are able to offer 4-pole contactors through 85A (AC-3), 130A (AC-1). They are available in various configurations of N.O. and N.C. power poles with AC or DC coil control.

Features

- Contactor range from 9...85A in three frame sizes
 - 100-C09...C23 – 45 mm wide
 - 100-C40 – 59 mm wide
 - 100-C90 – 95 mm wide
- AC and DC coil control
- Common accessories with other 100-C contactors
- IP2X finger protection
- Provisions for adding two conductors per terminal
- Meets IEC, CE, UL and CSA standard requirements



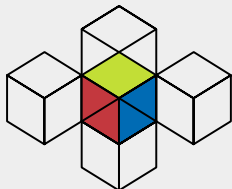
Applications

Four pole contactors are ideal for applications where switching a neutral, in addition to 3-phase power, is required. They are also used in lighting circuits, resistive heating and dynamic braking applications.

Product Selection

I_e	Ratings for Switching AC Motors											Contact Configuration, Main Pole		Cat. No.
	AC-2, AC-3											N.O.	N.C.	
	[A]	3 ϕ kW (50 Hz) \bullet				Hp (60 Hz)								
AC-3	AC-1	230V	400V/415V	500V	690V	1 ϕ		3 ϕ \bullet						
						115V	230V	200V	230V	460V	575V			
9	32	3	4	4	4	1/2	1-1/2	2	2	5	7-1/2	4	0	100-C09 \otimes 400
												3	1	100-C09 \otimes 300
												2	2	100-C09 \otimes 200
12	32	4	5.5	5.5	5.5	1/2	2	3	3	7-1/2	10	4	0	100-C12 \otimes 400
												3	1	100-C12 \otimes 300
												2	2	100-C12 \otimes 200
16	32	5.5	7.5	7.5	7.5	1	3	5	5	10	15	4	0	100-C16 \otimes 400
												3	1	100-C16 \otimes 300
												2	2	100-C16 \otimes 200
23	32	7.5	11	13	10	2	3	5	7-1/2	15	15	4	0	100-C23 \otimes 400
												3	1	100-C23 \otimes 300
												2	2	100-C23 \otimes 200
37	75	11	18.5/20	20	18.5	3	5	10	10	25	30	4	0	100-C40 \otimes 400
												2	2	100-C40 \otimes 200
												4	0	100-C90 \otimes 400
85	130	25	45	55	45	7-1/2	15	25	30	60	50	4	0	100-C90 \otimes 400
												2	2	100-C90 \otimes 200

\bullet Three-phase ratings only apply to contactors with at least three N.O. power poles.



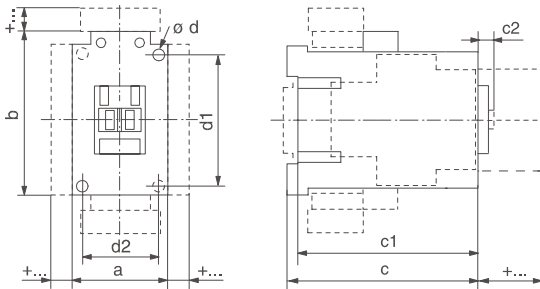
MCS
PLUS

⊗ Coil Voltage Code

The Cat. No. as listed is incomplete. Select a coil voltage code from the table below to complete the Cat. No.
 Example: 120V, 60 Hz: **Cat. No. 100-C09**⊗**400** becomes **Cat. No. 100-C09D400**.

V HZ	24	110	120	200-220	208	208-240	220-230	230	240	277	380	380-400	400	400-415	440	480	500	550	600					
50 Hz	K	D	-	L	-	-	F	-	T	-	-	N	-	G	B	-	M	C	-					
60 Hz	J	-	D	-	H	L	-	-	A	T	E	-	-	-	-	B	-	-	C					
50/60Hz	KJ	-	-	-	-	-	-	KF	-	-	-	-	KN	-	-	-	-	-	-					
DC Voltages											12	24	48	110	115	125	220	230	250					
100-C09...C40											Standard					ZQ	ZJ	ZY	ZD	ZP	ZS	ZA	ZF	ZT
											with Integrated Diode					-	DJ	-	-	-	-	-	-	-
100-C90											with Integrated Diode					DQ	DJ	DY	DD	DP	DS	DA	DF	DT

Dimensions Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.



AC Contactors

Cat. No.	a	b	c	c1	c2	∅d	d1	d2
100-C09...100-C23	45 (1-25/32)	81 (3-3/16)	80.5 (3-11/64)	75.5 (2-31/32)	6 (15/64)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100-C40	59 (2-21/64)	81 (3-3/16)	100.5 (3-61/64)	95.5 (3-49/64)	6.5 (1/4)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	45 (1-25/32)
100-C90	95 (3-47/64)	122 (4-51/64)	117 (4-39/64)	111.5 (4-25/64)	8.5 (21/64)	4 - 5.4 (4 - 7/32)	100 (3-15/16)	55 (2-11/64)

DC Contactors

Cat. No.	a	b	c	c1	c2	∅d	d1	d2
100-C09Z...100-C16Z	45 (1-25/32)	81 (3-3/16)	106.5 (4-3/16)	101.5 (4)	6 (15/64)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100-C23Z	45 (1-25/32)	81 (3-3/16)	123.5 (4-55/64)	118.5 (4-43/64)	6 (15/64)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	35 (1-3/8)
100-C40Z	59 (2-21/64)	81 (3-3/16)	144.5 (5-11/16)	139.5 (5-1/2)	6.5 (1/4)	2 - 4.5 (2 - 3/16)	60 (2-23/64)	45 (1-25/32)
100-C90D	95 (3-47/64)	122 (4-51/64)	117 (4-39/64)	111.5 (4-25/64)	8.5 (21/64)	4 - 5.4 (4 - 7/32)	100 (3-15/16)	55 (2-11/64)

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