

Product Details and Certifications

Cross Reference RA Part Number: PN-34053

 **Product: 100-C30EJ10**

Description: MCS-C Contactor, IEC, 30 A, 24V DC (w/Elec. Coil), Single Pack



Representative Photo Only (actual product may vary based on configuration selections)

CONTACTOR DATA

Bulletin	100-C IEC Contactor
Terminal Type	Screw Terminals
Rated Operating Current, AC-3	30 A
Coil Voltage	24 VDC (Electronic With Integrated Diode)
Number of Poles	3 Poles
Enclosure	IP2X
Auxiliary Contact Configuration	1 N.O.
Packaging	Single Pack
Maximum Load Curren	AC-3: 30 A, AC-1: 64 A

APPLICATION DATA

Electrical Standards	UL
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LOAD DATA [OPTIONAL]

Utilization Category	AC-3 Squirrel-cage motor starting and stopping
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LIFE DATA [OPTIONAL]

Actual Life	Actual Life Cannot be Calculated (more information)...
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CERTIFICATIONS AND APPROVALS






CCC
CUL
UL
CSA
IEC
CE

DIMENSIONS AND WEIGHT

45 MM Width X 81 MM Height X 97.5 MM Depth

Contactors

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Bulletin	100-K/104-K	100-C/104-C	100Q-C	100-D/104-D	100-G
Screw Terminals	✓	✓	✓	Thru-hole Threaded (630...860 A)	Thru-hole
Spring Terminals	✓ (5...9 A)	✓ (9...16 A)	—	—	—
Max. Current I_e	12 A	97 A	37 A	860 A	1200 A
Current Rating	5...12 A	9...97 A	16, 32 A	115...860 A	550...1200 A
Features	<ul style="list-style-type: none"> Mini-contactors Uniform panel mounting dimensions Panel mounting or mounting on 35 mm DIN Rail AC or DC coil control Made of environmentally friendly materials 	<ul style="list-style-type: none"> Panel mounting or mounting on 35 mm DIN Rail AC or DC coil control Reversible coil terminals (line or load side) Common accessories Made of environmentally friendly materials 	<ul style="list-style-type: none"> Panel mounting or mounting on 35 mm DIN Rail AC or DC coil control Reversible coil terminals (line or load side) Common accessories Made of environmentally friendly materials 	<ul style="list-style-type: none"> Panel mounting only Made of environmentally friendly materials AC or DC coil control (conventional or electronic) Integrated PLC interface (electronic coil) 	<ul style="list-style-type: none"> Panel mounting AC or DC coil control Horizontal or vertical interlock Latching 4th pole
Contacts	3 power poles with internal N.O. or N.C. auxiliary contact, or 4 power poles. Optional front-mounted 2- or 4-pole external auxiliary contact block.	3 power poles with internal N.O. or N.C. auxiliary contact or 4 power poles. Optional front- or side-mounted 1-, 2- or 4-pole external auxiliary contact block.	3 main poles with front-mount resistor elements. Optional side-mounted 1-, 2- or 4-pole external auxiliary contact block.	3 power poles with external N.O. and N.C. side-mounted auxiliary contact. Optional side-mounted 2-pole external auxiliary contact blocks	3 power poles with N.O. and N.C. front-mounted auxiliary contact. Optional 4th pole and auxiliary contacts
Coil Voltages	AC = 24...600V, 50/60Hz DC = 12...250V	AC = 12...600V, 50/60Hz DC = 9...250V	AC = 12...600V, 50/60Hz DC = 12...250V	Conventional Coils Cat. Nos. 100-D115...D180 AC: 24...550V 50 Hz, 24...600V 60Hz, 100...277V 50/60Hz DC: 24...250V DC Electronic Coils Cat. Nos. 100-D115...D300 AC: 24...500V 50/60 Hz DC: 24...255V DC Cat. Nos. 100-D420 AC: 42...500V 50/60 Hz DC: 48...255V DC Cat. Nos. 100-D630...D860 AC: 100...600V 50/60 Hz DC: 110...255V DC	AC = 110...480V, 50/60Hz DC = 100...440V
Optional Overload Relays	Electronic or bimetallic	Electronic or bimetallic	—	Electronic	Electronic
Optional Accessories	<ul style="list-style-type: none"> Front-mount auxiliary contacts Surge suppressors Electronic timers Mechanical interlocks 	<ul style="list-style-type: none"> Front or side-mount auxiliary contacts Surge suppressors Electronic or pneumatic timers Mechanical interlocks Mechanical latches 	<ul style="list-style-type: none"> Side-mount auxiliary contacts Surge suppressors Electronic timers 	<ul style="list-style-type: none"> Side-mount auxiliary contacts Surge suppressors IP20 terminal blocks Terminal shields Terminal covers Connecting components Terminal lugs Mechanical/electrical interlocks 	<ul style="list-style-type: none"> Auxiliary contact 4th pole Vertical interlock Horizontal interlock Mechanical latch
Standards/Certifications	<ul style="list-style-type: none"> UL CSA IEC CE Marked CCC 	<ul style="list-style-type: none"> UL CSA IEC CE Marked CCC 	<ul style="list-style-type: none"> UL CSA IEC CE Marked 	<ul style="list-style-type: none"> UL CSA IEC CE Marked CCC (115...180 A - conventional coil; 140...420 A - electronic coil) 	<ul style="list-style-type: none"> UL CSA IEC CE Marked
Product Selection	Page 2-124	Page 2-129	Page 2-141	Page 2-147	Page 2-156

Catalog Explanation

100 - C 30 EJ 10

a **b** **c** **d** **e**

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a	Size of Contactor
b	Rated Current (A)
c	Coil voltage and frequency
d	Auxiliary Contacts Configuration
e	Miscellaneous options

⊗ Coil Voltage Code and Terminal Position

The Cat. No. as listed is incomplete. Select a coil voltage code from the table below to complete the Cat. No. Example: 120V, 60Hz:
Cat. No. 100-C09@10 becomes **Cat. No. 100-C09D10**.

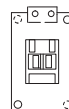
[M]	12	24	32	36	42	48	100	100-110	110	120	127	200	200-220	208	208-240	220-230	230	230-240	240	277	347	380	380-400	400	400-415	440	480	500	550	600
50 Hz	R	K	V	W	X	Y	KP	—	D	P	S	KG	L	—	—	F	—	VA	T	—	—	—	N	—	G	B	—	M	C	—
60 Hz	Q	J	—	V	—	X	—	KP	—	D	—	—	KG	H	L	—	—	—	A	T	I	E	—	—	—	N	B	—	—	C
50/60 Hz	—	KJ	—	—	—	KY	KP	—	KD	—	—	KG	KL‡	—	—	KL‡	KF	—	KA	—	—	—	—	KN	—	KB	—	—	—	

‡ Not available on 100/104-C90 or -C97 contactors.

DC Voltages [V]		9	12	24	36	48	48-72	60	64	72	80	110	110-125	115	125	220	220-250	230	250
100-C09...C43	Standard	ZR	ZQ	ZJ	ZW	ZY	—	ZZ	ZB	ZG	ZE	ZD	—	ZP	ZS	ZA	—	ZF	ZT
	with Integrated Diode	—	—	DJ	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Electronic with Integrated Diode	—	EQ	EJ	—	—	EY	—	—	—	—	—	ED	—	—	—	EA	—	—
100-C60...C97	with Integrated Diode	DR	DQ	DJ	DW	DY	—	DZ	DB	DG	DE	DD	—	DP	DS	DA	—	DF	DT

Coil Terminal Position

- All contactors are delivered with the coil terminals located on the **line side**.
- For **load side** coil terminations, insert a **“U”** prior to the coil voltage code.
 Ordering example: **Cat. No. 100-C09UD10**.



Cat. No.
100-C09@10
Line Side



Cat. No.
100-C09U@10
Load Side