



Bulletin 100Q-C Capacitor-Switching Contactors

- Compact sizes
- Limits high inrush currents
- AC and DC coil control
- Reversible coil terminals
- Panel or 35 mm DIN Rail mounting
- Environmentally friendly materials

Your order must include: cat. no. of the contactor specified with coil voltage code and, if required, cat. no. of any accessories.

The Bulletin 100Q-C Capacitor-Switching contactors are designed for switching banks of capacitors. The unique design uses front-mounted resistor elements that limit the severely high inrush currents seen in these applications. This reduces stress to the contactors and the capacitors, as well as allowing a more compact and economical design without the use of air-core reactors.

Standards Compliance and Certifications

Standards Compliance

IEC 60947-4
CSA C22.2 No. 14
UL 508

Certifications

CE Marked
cULus Listed (File No. E 41850, Guide NLDX, NLDX7)

Product Selection

For Applications per IEC 60947-4 (AC-6b)

Ratings for Switching Capacitor Banks @ 40 °C

1-Phase 50 Hz (kVar)		3-Phase 50 Hz (kVar)						Aux. Contacts	Cat. No.					
230 V	240V	400V	415V	500V	690V	230V	240V	400V	415V	500V	690V	N.O.	N.C.	
5	5	8.5	9	10.5	15	8.5	8.5	15	15.5	18.5	25	1	1	100Q-C16⊗11
												2	0	100Q-C16⊗20
8	8.5	14	14.5	17.5	24	14	14	25	25	30	40	1	1	100Q-C37⊗11
												2	0	100Q-C37⊗20

Ratings for Switching Capacitor Banks @ 60 °C

1-Phase 50 Hz (kVar)		3-Phase 50 Hz (kVar)						Aux. Contacts	Cat. No.					
230 V	240V	400V	415V	500V	690V	230V	240V	400V	415V	500V	690V	N.O.	N.C.	
5	5	8.5	9	10.5	15	8.5	8.5	15	15.5	18.5	25	1	1	100Q-C16⊗11
												2	0	100Q-C16⊗20
8	8.5	14	14.5	17.5	24	14	14	25	25	30	40	1	1	100Q-C37⊗11
												2	0	100Q-C37⊗20

For Applications per UL/CSA

Ratings for Switching Capacitor Banks

1-Phase 60 Hz (kVar)		3-Phase 60 Hz (kVar)						Aux. Contacts	Cat. No.
115V	230V	200V	230V	460V	600V	N.O.	N.C.		
2.2	4.5	6.5	7.5	15	18.5	1	1	100Q-C16⊗11	
						2	0	100Q-C16⊗20	
3.6	7.5	11	12.5	20	25	1	1	100Q-C37⊗11	
						2	0	100Q-C37⊗20	

⊗ 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. 100Q-C16⊗**11** becomes **Cat. No.100Q-C16D11**.

[V]	1	2	3	3	4	48	10	100	11	12	12	20	200	20	208	220	230	230	24	27	34	38	380	40	400	44	48	50	55	60		
Hz	2	4	2	6	2	0	-	0	0	7	0	-	8	-	-	0	-	0	7	7	0	-	0	-	0	0	0	0	0	0		
						110						220	240	230	240							400	415									
50	R	K	V	W	X	Y	K	—	D	P	S	K	L	—	—	F	—	V	A	T	—	—	—	N	—	G	B	—	M	C	—	
Hz						P						G																				
60	Q	J	—	V	—	X	—	K	P	—	D	—	—	K	G	H	L	—	—	—	A	T	I	E	—	—	—	N	B	—	—	C
Hz																																
50/60	—	K	—	—	—	K	K	—	K	—	—	K	KL	—	—	KL	K	—	K	—	—	—	—	K	—	K	—	—	—	—		
Hz		J				Y	P		D			G				F	A						N		B							

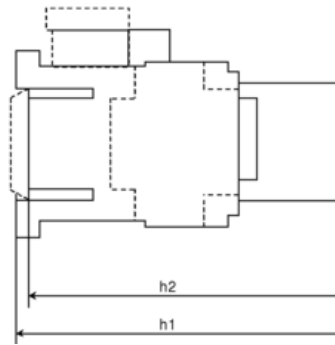
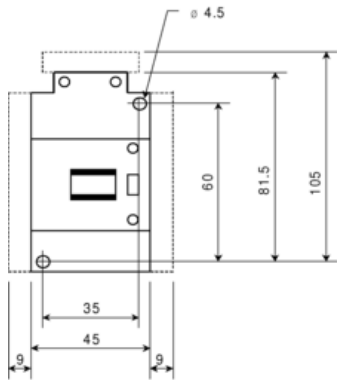
DC Voltages [V]																																
Standard																																
with Integrated Diode																																
Electronic with Integrated Diode																																

Maximum Operational Rates
 100Q-C16 200 operations/hour
 100Q-C37 100 operations/hour

Approximate Dimensions

Bulletin 100Q-C Contactors

Dimensions are in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



Cat No.	AC-Operated		DC-Operated	
	h1	h2	h1	h2
100Q-C16120	115	146	141	(4-23/32)(4-17/32)(5-3/4)(5-9/16)
100Q-C37137	132	181	176	(5-3/8) (5-3/16) (7-1/8)(6-15/16)