Auxiliary Contacts (For 100-C09...C85 contactors)*

		_/	ļ			
	Description	N.O.	N.C.	For Use With	Cat. No.*	
		0	2	100-C all	100-FA02	
		U		C30⊗00C85⊗00	100-FB02	
9 9	Auxiliary Contact Blocks for			100-C all	100-FA11	
	Front Mounting	1	1	C30⊗00C85⊗00	100-FB11	
	2- and 4-pole Quick and easy mounting			C09⊗10C23⊗10	100-FC11	
	without tools	0	0	100-C all	100-FA20	
	Electronic-compatible contacts down to 17V, 5 mA	2	0	C30⊗00C85⊗00	100-FB20	
	Mechanically linked	1L	1L	C30⊗00C85⊗00	100-FAL11	
	performance between N.O. and			C30⊗00C85⊗00	100-FBL11	
	N.C. poles and to the main contactor poles (except for L	0	4	100-C all	100-FA04	
	types)	1	3	100-C all	100-FA13	
	Models with equal function with several terminal numbering			100-C all	100-FA22	
4444	choices	2	2	C30⊗00C85⊗00	100-FB22	
• - 0	1L = Late break N.C./early			C09⊗10C23⊗10	100-FC22	
9.000	make N.O. Bifurcated version for switching	3	_	100-C all	100-FA31	
	down to 5V, 3 mA ‡	3	1	C09⊗10C23⊗10	100-FC31	
		4	0	100-C all	100-FA40	
		1+1L	1+1L	100-C all	100-FAL22	

		/	-	For Use				
	Description	N.O.	N.C.	With		Cat. No.		
		0	1	100-C	*	100-SB01		
100 age	Auxiliary Contact Blocks for Side Mounting with Sequence Terminal Designations	1	0	100-C‡	*	100-SB10		
* 6	1- and 2-pole Two-way numbering for right or left mounting on the contactor Quick and easy mounting without tools Electronic-compatible contacts down to 17V, 10 mA	0	2	100-C‡	*	100-SB02		
		1	1	100-C‡	*	100-SB11		
# ·	Mirror contact performance to the main contactor poles 1L = Late break N.C./early make N.O.	2	0	100-C‡	*	100-SB20		
9		1L	1L	100-C‡	*	100-SBL11		

- * Max. number of auxiliary contacts that may be mounted:
 - AC coil contactors max. 4 N.O. contacts on the front of the contactor, 2 N.O. contacts on the side, 4 N.C. front or side, 6 total.
 - DC coil contactors \max 4 N.O. contacts on the front of the contactor or \max 2 N.O. contacts on the side, 4 N.C. front or side, 4 total.
- May be ordered in package quantities of 10. Add letter M to the end of the cat. no. Example: 100-SB01M).
- Double numbering Left-side mounting only is recommended for cat. no. 100-C09...100-C23 due to double numbering.

Accessories

Control Modules (For 100-C09...C85 contactors)

	1010-000000-00	,	For Use		
	Descriptio	n	With	Cat. No.	
	Pneumatic Timing Modules Pneumatic timing element contacts switch after the delay	On-Delay 0.330 s Range 1.8180 s Range	100-C with AC coils, 700-CF all	100-FPTA30 100-FPTA180	
03 (E) 00 (FPUX) 2th (Si No. 10) (Si No. 1	time. The contacts on the main control relay continue to operate without delay.	Off-Delay 0.330 s Range 1.8180 s Range	100-C all, 700-CF all	100-FPTB30 100-FPTB180	
U U	Electronic Timing Modules — On-Delay Delay of the contactor or control relay solenoid.	On-Delay 0.13 s Range 130 s Range 10180 s Range 110240V, 50/60 Hz 110250V DC	100-C (all), 700-CF 110240V 50/60 Hz 110250V DC	100-ETA3 100-ETA30 100-ETA180	
	The contactor or control relay is energized at the end of the delay time.	On-Delay 0.13 s Range 130 s Range 10180 s Range 2448V DC	100-C with DC coils, 700-CF with DC coils	100-ETAZJ3 100-ETAZJ30 100-ETAZJ180	
9° 200 20 20 20 20 20 20 20 20 20 20 20 20	Electronic Timing Modules — Off-Delay Delay of the contactor or control relay solenoid.	Off-Delay 0.33 s Range 130 s Range 10180 s Range 110240V, 50/60 Hz	100-C with AC coils, 700-CF with AC coils	100-ETB3 100-ETB30 100-ETB180	
	After interruption of the control signal, the contactor or control relay is de-energized at the end of the delay time.	Off-Delay 0.33 s Range 130 s Range 10180 s Range	100-C with AC coils, 700-CF with AC coils	100-ETBKJ3 100-ETBKJ30 100-ETBKJ180	
U V	Electronic Timing Modules — 100-ETY Delay of the contactor solenoid. Contactor K 3 (Y) is de-energized (off) and K 2 (D) is energized (on) after the end of the set Y end time. (Switching delay at 50 ms.) Continuous adjustment range High repeat accuracy	Transition Time Y Contactor 130 s Range 110240V, 50/60 Hz	100-C with AC coils	100-ETY30	

Control Modules (For 100-C09...C85 contactors), continued

	Descriptio	n	For Use With	Cat. No.	
399		• 22.5 mm width Supply Voltage (A1/A2)		700-FSY2DU23	
	Electronic Star-Delta Timing Relay Output Y picks up when the supply voltage is applied and resets again after time t. After a fixed changeover time tu, output relay \(\Delta \) picks up and remains energized until the supply voltage is interrupted.	U23 2448V DC, 24240V AC, 50/60 Hz A40 346440V AC, 50/60 Hz	100-M, 100-C, 100-D	700-FSY2DU23	
· · · · · · · · · · · · · · · · · · ·		• 17.5 mm width Supply Voltage (A1/A2) U23 2448V DC 24240V AC. 50/60 Hz	100-M, 100-C, 100-D	700-FEY2QU23	
ē	Mechanical Interlocks For interlocking of two contactors. Common interlock for all 100-C contactor sizes	Mechanical only Without auxiliary contacts		100-MCA00	
To are on	Interlocking of different sizes possible Mechanical and electrical interlocking possible in one module by means of integrated auxiliary contacts 9 mm dovetail connector included	Mechanical/ electrical With 2 N.C. auxiliary contacts	100-C (except 100-C40, - C90)	100-MCA02	
	Mechanical Latch Following contactor latching, is immediately de-energized auxiliary contact (65-66). Electrical or manual release 1 N.O. + 1 N.C. auxiliary con Suitable for all 100-C contact	(off) by the N.C.	100-C with AC coils	100-FL11⊗	

⊗ Voltage Suffix Code for Mechanical Latch

The cat. no. as listed is incomplete. Select a voltage suffix code from the table below to complete the cat. no. Example: 230V, 50/60 Hz: Cat. no. 100-FL11⊗ becomes cat. no. 100-FL11KF.

AC Control						
Code Description						
KJ	24V 50/60 Hz					
KY	48V 50/60 Hz					
KD	110V 50/60 Hz					
KF	230V 50/60 Hz					
KN 400V 50/60 Hz						
М	500V 50 Hz					

For other AC voltages visit our website or consult your local sales office.

Accessories Control Modules (For 100-C09...C85 contactors), continued

	Description		Voltage Range	For Use With)	Cat. No.		
6-00	DC Interface (electronic)		Input: 12V DC Output: 110240V AC			100-JE12		
	Interface between the DC signal (PLC) and the AC o mechanism of the contact Requires no additional sur	perating or. ge	Input: 1830V DC Output: 110240V AC	100-C wi AC coils 110240 AC	3	100-JE		
	suppression on the relay of	coils	Input: 48V DC Output: 110240V AC			100-JE48		
		RC Module	2448V AC, 50/60 Hz		*	100-FSC48		
		AC 110 280V AC 100-C	*	100-FSC280				
	Surge Suppressors	Mechanism	380480V AC, 50/60 Hz	CONS	*	100-FSC480		
	For limitation of coil switching transients.	Varistor	1255V AC/ 1277V DC		*	100-FSV55		
DADA	Plug-in, coil mounted Suitable for all 100-C	Module AC/DC	56136V AC/ 78180V DC	100-C	*	100-FSV136		
	contactor sizes, 985 A RC, Varistor and Diode Versions	Operating Mechanism	137277V AC/ 181350V DC		*	100-FSV277		
	VOIGIONS		278575V AC		*	100-FSV575		
		Diode Module DC Operating Mechanism	12250V DC	100-C with DC coils	*	100-FSD250		

^{*} May be ordered in package quantities of 10. Add letter M to the end of the cat. no. Example: 100-FSC48M.

Assembly Components (For 100-C09...C85 contactors)

	Description	For Use With	PQ	Cat. No.	
	Dovetail Connectors For use in contactor and starter assemblies. Single Connector — 0 mm Spacing	100-C	100-S0		
	Dovetail Connectors For use in contactor and starter assemblies. Dual Connector — 9 mm Spacing	100-0	10	100-S9	
	ECO Connecting Modules — 25 A Eco-starters mount on single DIN Rail	140M-C to 100- C09C23	*	140M-C-PEC23	
Control of the Contro	(140M on DIN Rail) Electrical and mechanical interconnection of 140M MPCB and 100-M (with AC or DC coils) or 100-C (with AC coils) contactors	140M-D to 100- C09C23	*	140M-D-PEC23	
		140M-C to 100- C09C23		140M-C-PNC23	
	Connecting Modules — 25 A and 45 A Contactor and MPCB MUST BE mounted	140M-D to 100- C09C23		140M-D-PNC23	
00 E	separately on (2) DIN Rails Electrical interconnection between 140M	140M-D to 100- C30C37		140M-D-PNC37	
	MPCB and 100-C contactors (with AC coils)	140M-F to 100- C30C37		140M-F-PNC37	
		140M-F to 100- C43		140M-F-PNC43	

^{*} May be ordered in package quantities of 20. Add letter **M** to the end of the cat. no. Example: **140M-C-PEM12M**. PQ = Package Quantity

DeviceNet Starter Auxiliary DSA I/O for Distributed Starters

- Includes complete connector plug set
- · Removable connectors
- Slender 22.5 mm wide profile
- · Screw or DIN Rail mounting
- · Rotary node address switches
- DeviceNet address settable via hardware or software — no need to adjust rotary node address switches
- · DeviceLogix functionality

Inputs from:

Outputs to:

Contactor Aux

Contactor Coil

Relay

Starter

Pushbutton

Relav

Proximity Switch

Signal Lamp

• Limit Switch

Valve

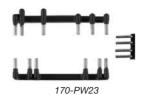
No. of Inputs	No. of Outputs	Cat. No.	
4 (120V AC)	2 Relay (250V rated)	100-DNY41R	
4 (24V DC)	2 Relay (250V rated)	100-DNY42R	
4 (24V DC)	2 Solid-State (24V DC)	100-DNY42S	



Accessories

Star-Delta Starter Kits

Power wiring kits were designed to aid in the field assembly of open-transition star-delta and reversing starters that use Bulletin 100-C contactors. These kits include line, load (and start-point) connections.



	3-Phase Ra	ting (50 Hz)		Use with Cat. No. 100				
230V	380/415V	500V	690V	De	Delta			
	[k'	W]		1M	2M	18	Cat. No.	
5.5	8	8	8	C09	C09	C09		
7.5	11	11	11	C12	C12	C09	170-PW23	
10	14	15	14	C16	C16	C12	170-PW23	
14	21	21	19	C23	C23	C12		
18	28	28	28	C30	C30	C16	170-PW37	
19	35	35	32	C37	C37	C23	170-20037	
23	40	40	41	C43	C43	C30	170-PW43	
33	58	60	56	C60	C60	C37	170-PW72	
39	69	67	70	C72	C72	C43	170-20072	
47	82	82	81	C85	C85	C60	170-PW85	

Reversing Starter Kits

	Description	For Use With	Cat. No.	
4	Reversing Power Wiring Kits For reversing connection with a	100-C09C23	105-PW23	
		100-C30C37	105-PW37	
11.1 11.1	solid-state or thermal overload	100-C43	105-PW43	
200	relay	100-C6085	105-PW85	

Marking Systems

	Description	PQ	Cat. No.	
432	Label Sheet 10 sheets with 105 self-adhesive paper labels each, 6 x 17 mm	10	100-FMS	
	Marking Tag Sheet 10 sheets with 160 perforated paper labels each, 6 x 17 mm To be used with a transparent cover	10	100-FMP	
84	Transparent Cover 100 each To be used with marking tag sheets	100	100-FMC	

PQ = Package Quantity

Enclosures

		Description	For Use With	Cat. No.	
	For Bulletin 100-Co				
		With blue RESET push button	100-	198E-A0S1	
	Material: ABS V-0	With green START and raised red STOP/RESET push buttons, START contact kit included.	- C09C23 + 193-ED, -EE, -CT	198E-A0S4	
		With blue RESET push button	100- C09C23 +	198E-C0S1	
	Material: PC V-0	With green START and raised red STOP/RESET push buttons, START contact kit included.	193-ED, -EE, -CT	198E-C0S4	
	Pushbutton Latch For maintained con START/STOP push	198E-A0S4, 198E-C0S4	198E-PLA		
	Neutral Terminal		198E-A, 198E-C	198E-PNT	
INI	START Contact K Included in the end	it closure, as spare part only.	198E-A0S4, 198E-C0S4	198E-PCK	
	Pilot Lights Length of connecti protection class IP	on leads 180 mm, includes lamp, 54. ★			
		120V		140-LG120	
	Green	240V		140-LG240	
-		400V		140-LG400	
(CITO)		120V	198E-A,	140-LR120	
	Red	240V	198E-C,	140-LR240	
		400V	140A-C-E	140-LR400	
		120V		140-LW120	
	White	240V		140-LW240	
		400V		140-LW400	

^{*} For protection class IP66 use 800F pilot lights, see page 3-6