

## Mini-Contactors 100-K, Contactors 100-C

Bulletin	100-K	100-C
<b>Type</b>	<b>MCS Mini Contactor</b>	<b>Contactors</b>
<b>Rated Current, max. <math>I_e</math></b>	12 A	85 A
<b>Current Rating</b>	5...12 A	9...85 A
<b>Rated Voltage <math>U_e</math> IEC</b>	690V 50/60 Hz, 440V DC	690V 50/60 Hz, 440V DC
<b>Features</b>	<ul style="list-style-type: none"> <li>• MCS New Minicontactor Design</li> <li>• IP20 Finger Protection according to IEC 60947</li> <li>• Rated and Designed for 690V</li> <li>• Top mount pluggable 36 mm wide auxiliary contact blocks 690V</li> <li>• Suppressor module top mount pluggable</li> <li>• Mechanical interlock top mount for AC and DC contactors</li> </ul>	<ul style="list-style-type: none"> <li>• Panel mounting or mounting on 35 mm DIN rail</li> <li>• Reversible coil terminals (line or load side)</li> <li>• AC or DC coil control</li> <li>• Common Accessories</li> <li>• Made of environmentally friendly materials</li> </ul>
<b>Contacts</b>	3 power poles with internal N.O. or N.C. auxiliary contact, or 4 power poles. Optional frontmounted 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.
<b>Coil Voltages</b>	AC = 12...600V AC, 50/60Hz DC = 12...250V DC	AC = 12...600V AC, 50/60Hz DC = 9...250V DC
<b>Optional Overload Relays</b>	Bimetallic	Electronic or bimetallic
<b>Optional Accessories</b>	All accessories	All accessories
<b>Conformity to Standards</b>	IEC/EN 60947; IEC/EN 60999; UL 508; UL 1059; CSA 22.2 No. 14; FN F 62-000	IEC/EN 60947; UL 508; CSA 22.2 No. 14
<b>Approvals</b>	CE marked, cULus listed, CCC	CE, UL, CSA, IEC, CCC
<b>Product Selection</b>	<b>See page 1-27</b>	<b>See page 1-29</b>

**Contactors 100-D, 100-G**



Bulletin	100-D	100-G
<b>Type</b>	<b>Contactor</b>	<b>Contactor</b>
<b>Rated Current, max. <math>I_e</math></b>	860 A	1200 A
<b>Current Rating</b>	95...860 A	550...1200 A
<b>Rated Voltage <math>U_e</math></b> IEC	1000V 50/60 Hz, 440V DC	690V 50/60 Hz, 440V DC
<b>Features</b>	<ul style="list-style-type: none"> <li>• Panel mounting only</li> <li>• Made of environmentally friendly materials</li> <li>• AC or DC coil control (Conventional or Electronic)</li> <li>• Integrated PLC interface</li> </ul>	<ul style="list-style-type: none"> <li>• Panel mounting only</li> <li>• Made of environmentally friendly materials</li> <li>• AC or DC coil control (Electronic)</li> </ul>
<b>Contacts</b>	3 power poles with external N.O. and N.C. side mounted auxiliary contact. Optional side mounted 2 pole external auxiliary contacts blocks	3 power poles with up to 4 external N.O. and N.C. auxiliary contact blocks. Forth main contact pole
<b>Coil Voltages</b>	<p><b>Conventional Coils 100(S)-D95...D180</b>                      AC: 24...550V 50 Hz                      24...600V 60Hz                      100...277V 50/60Hz                      DC: 24...250V DC</p> <p><b>Electronic Coils 100(S)-D95...D300</b>                      AC: 24...500V 50/60 Hz                      DC: 24...255V DC</p> <p><b>100(S)-D420</b>                      AC: 42...500V 50/60 Hz                      DC: 48...255V DC</p>	<p>AC = 110...480V AC, 50/60Hz                      DC = 100...440V DC</p>
<b>Optional Overload Relays</b>	Electronic	—
<b>Optional Accessories</b>	All accessories	All accessories
<b>Conformity to Standards</b>	IEC/EN 60947; UL 508; CSA 22.2 No. 14	IEC/EN 60947, CEI 17-2, 17-3; UTE NF C 63-110; BS 5424; VDE 0660-1; NEMA; ICS
<b>Approvals</b>	CE, UL, CSA, IEC, CCC	CE, UL, CSA, IEC
<b>Product Selection</b>	<b>See page 1-36</b>	<b>See page 1-41</b>

## Safety Contactors 100S-C, 100S-D

Bulletin	100S-C	100S-D
<b>Type</b>	<b>Safety Contactor</b>	<b>Safety Contactor</b>
<b>Rated Current, max. <math>I_e</math></b>	85 A	860 A
<b>Current Rating</b>	9...85 A	95...860 A
<b>Rated Voltage <math>U_e</math> IEC</b>	690V 50/60 Hz, 440V DC	1000V 50/60 Hz, 440V DC
<b>Features</b>	<ul style="list-style-type: none"> <li>Positively Guided/Mechanically Linked Auxiliary Contacts</li> <li>Front-Mounted Auxiliary Contacts:               <ul style="list-style-type: none"> <li>Permanently Fixed</li> <li>Protective Cover to Prevent Manual Operation</li> <li>Red Contact Housing for Easy Identification</li> <li>Incorporates IEC 947-5-1 "Mechanically Linked" Symbol</li> </ul> </li> <li>AC or DC coil control</li> <li>SUVA Third-Party Certification</li> </ul>	<ul style="list-style-type: none"> <li>Positively Guided/Mechanically Linked Auxiliary Contacts which are required in feedback circuit for modern safety applications.</li> <li>The Positively Guided N.C. Auxiliary Contacts will not change the state when a power contact welds.</li> </ul>
<b>Contacts</b>	3 Main Contacts	3 Main Contacts
<b>Coil Voltages</b>	AC = 12...600V AC, 50/60Hz DC = 12...250V DC	<b>Conventional Coils 100(S)-D95...D180</b> AC: 24...550V 50 Hz 24...600V 60Hz 100...277V 50/60Hz DC: 24...250V DC <b>Electronic Coils 100(S)-D95...D300</b> AC: 24...500V 50/60 Hz DC: 24...255V DC <b>100(S)-D420</b> AC: 42...500V 50/60 Hz DC: 48...255V DC
<b>Optional Overload Relays</b>	—	—
<b>Optional Accessories</b>	Side-mount auxiliary contacts, surge suppressors, mechanical interlocks	Side-mount auxiliary contacts, surge suppressors, IP20 terminal blocks, terminal shields, terminal covers, connecting components, terminal lugs
<b>Conformity to Standards</b>	EN 50205; UL 508; CSA C22.2 No. 14; IEC/EN 60947-4; IEC 60947-4-1 Annex H — Mirror Contacts; IEC 60947-5-1 Annex L — Mechanically Linked Contacts	IEC 60947-4-1 / A1: 2002-09, Annex F CSA C22.2 No. 14, UL 508
<b>Approvals</b>	CE Marked, CSA Certified (Certification No. LR13908), UL Listed (File No. E3125, Guide No. NLDX), SUVA Third-Party Certified	CE Marked, CSA Certified, UL Listed, SUVA Third-Party Certified
<b>Product Selection</b>	<b>See page 1-30</b>	<b>See page 1-37</b>

**Mini-Contactors 100-K**

- Compact size, same dimensions for AC and DC
- 5, 9, and 12A Contactors rated 690V
- IP2X Finger Protection
- Optional integrated surge suppressor
- Compatible with 193-K bimetallic overload relay



**Mini Contactors with 3 Main Contacts**

Rated Operational Current (I <sub>e</sub> ) [A]		Ratings for switching AC motors - AC-2, AC-3 3Ø kW (50 Hz)	Auxiliary Contacts		Cat. No.
AC-3	AC-1		N.O.	N.C.	
5	20	2.2	1 0	0 1	* * 100-K05 <sup>⊗</sup> 10 100-K05 <sup>⊗</sup> 01
9	20	4	1 0	0 1	* * 100-K09 <sup>⊗</sup> 10 100-K09 <sup>⊗</sup> 01
12	20	5.5	1 0	0 1	* * 100-K12 <sup>⊗</sup> 10 100-K12 <sup>⊗</sup> 01

\* May be ordered in package quantities of 20. Add letter M to the end of the cat. no. Example: **100-K05KF10M**.  
 ⊗ The Cat. No. as listed is incomplete. Select a standard Coil Voltage Code from the table below to complete the Cat. No. Example: 230V, 50/60 Hz: Cat. No. **100-K05<sup>⊗</sup>10** becomes Cat. No. **100-K05KF10**.

**⊗ Coil Voltage Codes for AC and DC Control**

AC Control	
Code	Description
<b>KJ</b>	24V 50/60 Hz
<b>KY</b>	48V 50/60 Hz
<b>D</b>	110V 50 Hz
<b>KF</b>	230V 50/60 Hz
<b>KN</b>	400V 50/60 Hz

DC Control	
Code	Description
<b>ZJ</b>	24V DC
<b>DJ</b>	24V DC with integrated diode
<b>ZD</b>	110V DC
<b>ZA</b>	220V DC







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

**Accessories for 100-K**

	Description	N.O.	N.C.	For Use With	Cat. No.
<p><b>Front-Mounted Auxiliary Contacts</b> Auxiliary contact blocks 2- and 4-pole versions Choice of contact configurations Snap on, no tools required Electronically-compatible bifurcated contacts for signals down to 15V/2 mA Mirror Contact performance per IEC 60947-4-1</p>	0	2	100-K05...K12 <sup>⊗</sup> 10	* * * 100-KFC02 100-KFC11 100-KFC20	
	1	1		100-K05...K12 <sup>⊗</sup> 10	* * * 100-KFC04 100-KFC13 100-KFC31 100-KFC22 100-KFC40
	2	0			
	0	4			
	1	3			
	3	1			
	2	2			
	4	0			

\* May be ordered in package quantities of 10. Add letter M to the end of the cat. no. Example: **100-KFC02M**.

Accessories for 100-K

	Description	For Use With	PQ	Cat. No.	
 <p><b>Surge Suppressor</b>                      Plug-in Type                      Limits surge voltage on coil drop-off</p>	<b>RC Suppressor</b>				
		24...48V AC	100/104-K, 700-K	*	<b>100-KFSC50</b>
		110...280V AC	100/104-K, 700-K	*	<b>100-KFSC280</b>
		380...480V AC	100/104-K, 700-K	*	100-KFSC480
	<b>MOV Suppressor</b>				
		12...55V AC, 12...77V DC	100/104-K, 700-K	*	<b>100-KFSV55</b>
		56...136V AC, 78...180V DC	100/104-K, 700-K	*	<b>100-KFSV136</b>
		137...277V AC, 181...250V DC	100/104-K, 700-K	*	<b>100-KFSV277</b>
<b>Diode Suppressor</b>					
	12...250V DC	100/104-K, 700-K	*	<b>100-KFSD250</b>	
 <p><b>Mechanical Interlock</b>                      For interlocking of two adjacent contactors                      No added width to contactor assembly                      Front mount Plug-In type                      Optional auxiliary contact blocks and suppressor modules mount onto the interlock</p>		100-K, 700-K (AC & DC Control)		<b>100-KMCH</b>	
 <p><b>ECO Connecting Module — 12 and 25 A</b>                      For DOL and reversing starters                      Eco-starters mount on single DIN Rail (140M on DIN Rail)                      Electrical and mechanical interconnection of 140M MPCB and 100-K contactors</p>	Connects: 140M-C circuit breakers with 100-K contactors	140M-C to 100-K	1*	<b>140M-C-PEK12</b>	
 <p><b>Power Wiring Kit</b>                      For Reversing and Star/Delta combinations.                      Star-point bridge not included.</p>	—	100-K	1	<b>100-KPR</b>	
 <p><b>Feeder Terminal for Compact Bus Bars</b>                      Max. current 34 A</p>	Supply of compact bus bars	100-K	1	100-KWT	
 <p><b>Three-Phase Compact Bus Bars</b>                      Max. current 34 A</p>	For 100-K, 5...12 A contactors 45 mm spacing (3 connections)	100-K	1	<b>100-KW453</b>	
	For 100-K, 5...12 A contactors 45 mm spacing (4 connections)		1	100-KW454	

\* May be ordered in package quantities of 10. Add letter M to the end of the cat. no. Example: **100-KFSC50M**.  
 PQ = Package Quantity

POWER

### Contactors 100-C

- Compact Sizes from 4...45 kW (9...85 A)
- AC and DC Coil Control
- Common Accessories for All Contactor Sizes
- Front and Side Mounting of Auxiliary Contacts
- Electronic and Pneumatic Timing Modules
- Space-Saving Coil-Mounted Control Modules
- Reversible Coil Terminations (Line or Load Side)
- All Devices Can Be Attached to 35 mm DIN Mounting Rail
- Environmentally Friendly Materials



### Contactors with 3 Main Contacts

Rated Operational Current $I_e$ [A]		Ratings for Switching AC Motors — AC-2, AC-3, AC-4 3Ø kW (50 Hz)	Auxiliary Contacts		Cat. No.
			N.O.	N.C.	
AC-3	AC-1	400V/415V			
9	32	4	1 0	0 1	* * 100-C09Ø10 100-C09Ø01
12	32	5.5	1 0	0 1	* * 100-C12Ø10 100-C12Ø01
16	32	7.5	1 0	0 1	* * 100-C16Ø10 100-C16Ø01
23	32	11	1 0	0 1	* * 100-C23Ø10 100-C23Ø01
30	65	15	0	0	* 100-C30Ø00
37	65	18.5/20	0	0	* 100-C37Ø00
43	85	22	0	0	100-C43Ø00
60	100	32	0	0	100-C60Ø00
72	100	40	0	0	100-C72Ø00
85	100	45	0	0	100-C85Ø00

\* May be ordered in package quantities of 20. Add letter **M** to the end of the cat. no. Example: 100-C09KF10M).  
 ☉ The cat. no. as listed is incomplete. Select a coil voltage code from the table below.

#### ☉ Coil Voltage Codes for AC and DC Control

AC Control for 100-C	
Code	Description
<b>KJ</b>	24V 50/60 Hz
<b>KY</b>	48V 50/60 Hz
<b>KD</b>	110V 50/60 Hz
<b>KF</b>	230V 50/60 Hz
<b>KN</b>	400V 50/60 Hz

DC Control for 100-C09...-C43	
Code	Description
<b>ZJ</b>	24V DC
<b>DJ</b>	24V DC with integrated diode
<b>EJ</b>	<b>NEW</b> — 24V DC electronic coil
<b>ZD</b>	110V DC
<b>ZA</b>	220V DC









DC Control for 100-C60...-C85	
Code	Description
<b>DJ</b>	24V DC with integrated diode
<b>DD</b>	110V DC with integrated diode
<b>DA</b>	220V DC with integrated diode

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

## Safety Contactors 100S-C

- AC / DC control
- 3 / 4 main contacts
- Positively guided contacts according to IEC 947-5-1
- Mechanically coupled Contactor and Auxiliary contact block
- Protection against unintended actuation
- Auxiliary contacts are electronically compatible according to DIN 19240



Rated Operational Current $I_e$	Ratings for Switching AC Motors — AC-2, AC-3, AC-4	Contact Configuration				Standard Auxiliary Contact	Bifurcated Auxiliary Contact
		Main Poles		Auxiliary Contacts			
							
[A]	3Ø kW (50 Hz) *					Cat. No. §	Cat. No. §
AC-3	AC-1	400V/415V	N.O.	N.C.	N.O.	N.C.	

### Safety Contactors with 3 Main Contacts

Rated Current [A]	AC-3	AC-1	Rated Power [kW]	N.O.	N.C.	N.O.	N.C.	Standard Cat. No. §	Bifurcated Cat. No. §
9	32	4		3	0	1	4	100S-C09⊗14C	100S-C09⊗14BC
				3	0	2	3	100S-C09⊗23C	100S-C09⊗23BC
12	32	5.5		3	0	1	4	100S-C12⊗14C	100S-C12⊗14BC
				3	0	2	3	100S-C12⊗23C	100S-C12⊗23BC
16	32	7.5		3	0	1	4	100S-C16⊗14C	100S-C16⊗14BC
				3	0	2	3	100S-C16⊗23C	100S-C16⊗23BC
23	32	11		3	0	2	3	100S-C23⊗23C	100S-C23⊗23BC
30	65	15		3	0	2	2	100S-C30⊗22C	100S-C30⊗22BC
37	65	18.5/20		3	0	2	2	100S-C37⊗22C	100S-C37⊗22BC
43	85	22		3	0	2	2	100S-C43⊗22C	100S-C43⊗22BC
60	100	32		3	0	2	2	‡ 100S-C60⊗22C	100S-C60⊗22BC
72	100	40		3	0	2	2	‡ 100S-C72⊗22C	100S-C72⊗22BC
85	100	45		3	0	2	2	‡ 100S-C85⊗22C	100S-C85⊗22BC

### Safety Contactors with 4 Main Contacts

Rated Current [A]	AC-3	AC-1	Rated Power [kW]	N.O.	N.C.	N.O.	N.C.	Standard Cat. No. §	Bifurcated Cat. No. §
23	32	11		4	0	0	4	100S-C23⊗404C	100S-C23⊗404BC
				3	1	0	4	100S-C23⊗304C	100S-C23⊗304BC
				4	0	2	2	100S-C23⊗422C	100S-C23⊗422BC

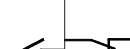



‡ Bifurcated front-mount auxiliary contacts on **100S-C60...C85** conform to mirror contact performance only.

§ For other contact configurations, please consult your local sales office.

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

⊗ The cat. no. as listed is incomplete. Select a coil voltage code from the table on page 1-29.

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

	Description			For Use With	Standard Auxiliary Contact	Bifurcated Auxiliary Contact
		N.O.	N.C.		Cat. No. *	Cat. No. *
 <p><b>Auxiliary Contact Blocks for Front Mounting</b> 2- and 4-pole Quick and easy mounting without tools Electronically-compatible contacts down to 17V, 5 mA Mechanically linked performance between N.O. and N.C. poles and to the main contactor poles (except for L types) Models with equal function with several terminal numbering choices 1L = Late break N.C./early make N.O. Bifurcated versions for switching low energy circuits are also available ‡</p>	0	2	100-C all	<b>100-FA02</b>	100-FAB02	
			C30⊗00...C85⊗00	<b>100-FB02</b>	100-FBB02	
	1	1	100-C all	<b>100-FA11</b>	100-FAB11	
			C30⊗00...C85⊗00	<b>100-FB11</b>	100-FBB11	
			C09⊗10...C23⊗10	<b>100-FC11</b>	100-FCB11	
	2	0	100-C all	<b>100-FA20</b>	100-FAB20	
			C30⊗00...C85⊗00	<b>100-FB20</b>	100-FBB20	
	1L	1L	C30⊗00...C85⊗00	100-FAL11	—	
			C30⊗00...C85⊗00	100-FBL11	—	
	 <p><b>Auxiliary Contact Blocks for Side Mounting with Sequence Terminal Designations</b> • 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 • Mirror contact performance to the main contactor poles • 1L = Late break N.C./early make N.O.</p>	0	4	100-C all	<b>100-FA04</b>	100-FAB04
1		3	100-C all	<b>100-FA13</b>	100-FAB13	
2		2	100-C all	<b>100-FA22</b>	100-FAB22	
			C30⊗00...C85⊗00	<b>100-FB22</b>	100-FBB22	
3		1	100-C all	<b>100-FA31</b>	100-FAB31	
			C09⊗10...C23⊗10	<b>100-FC31</b>	100-FCB31	
4		0	100-C all	<b>100-FA40</b>	100-FAB40	
1+1L		1+1L	100-C all	<b>100-FAL22</b>	—	
 <p><b>Auxiliary Contact Blocks for Side Mounting with Sequence Terminal Designations</b> • 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 • Mirror contact performance to the main contactor poles • 1L = Late break N.C./early make N.O.</p>		0	1	100-C	* <b>100-SB01</b>	—
		1	0	100-C ‡	* <b>100-SB10</b>	—
	0	2	100-C ‡	* <b>100-SB02</b>	—	
	1	1	100-C ‡	* <b>100-SB11</b>	—	
	2	0	100-C ‡	* <b>100-SB20</b>	—	
	1L	1L	100-C ‡	* <b>100-SBL11</b>	—	

\* 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.



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

	Description	For Use With	Cat. No.	
	<b>Pneumatic Timing Modules</b> Pneumatic timing element contacts switch after the delay time. The contacts on the main control relay continue to operate without delay.	<b>On-Delay</b> 0.3...30 s Range 1.8...180 s Range	100-C with AC coils, 700-CF all  <b>100-FPTA30</b> <b>100-FPTA180</b>	
		<b>Off-Delay</b> 0.3...30 s Range 1.8...180 s Range	100-C all, 700-CF all  <b>100-FPTB30</b> <b>100-FPTB180</b>	
	<b>Electronic Timing Modules — On-Delay</b> Delay of the contactor or control relay solenoid. The contactor or control relay is energized at the end of the delay time.	<b>On-Delay</b> 0.1...3 s Range 1...30 s Range 10...180 s Range  110...240V, 50/60 Hz 110...250V DC	100-C (all), 700-CF with 110...240V, 50/60 Hz or 110...250V DC  <b>100-ETA3</b> <b>100-ETA30</b> <b>100-ETA180</b>	
		<b>On-Delay</b> 0.1...3 s Range 1...30 s Range 10...180 s Range  24...48V DC	100-C with 24...48V DC coils, 700-CF with DC coils  <b>100-ETAZJ3</b> <b>100-ETAZJ30</b> 100-ETAZJ180	
	<b>Electronic Timing Modules — Off-Delay</b> Delay of the contactor or control relay solenoid. After interruption of the control signal, the contactor or control relay is de-energized at the end of the delay time.	<b>Off-Delay</b> 0.3...3 s Range 1...30 s Range 10...180 s Range  110...240V, 50/60 Hz	100-C, 700- CF with 110...240V 50/60 Hz coils  100-ETB3 <b>100-ETB30</b> 100-ETB180	
		<b>Off-Delay</b> 0.3...3 s Range 1...30 s Range 10...180 s Range  24V, 50/60 Hz	100- C09...C37, 700-CF with 24V 50/60 Hz coils  100-ETBKJ3 100-ETBKJ30 100-ETBKJ180	
	<b>Electronic Timing Modules</b> 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	<b>Transition Time Y            Contactor</b> 1...30 s Range  110...240V, 50/60 Hz	100-C with 110...240V AC, 50/60 Hz coils  <b>100-ETY30</b>	
	<b>Electronic Star-Delta Timing Relay</b> Output Y picks up when the supply voltage is applied and resets again after time t. After a fixed changeover time t <sub>u</sub> , output relay Δ picks up and remains energized until the supply voltage is interrupted.	• 22.5 mm width 24...48V DC, 24...240V AC, 50/60 Hz	100-K, 100- C, 100-D	<b>700-FSY2DU23</b>
		• 22.5 mm width 346...440V AC, 50/60 Hz		<b>700-FSY2DA40</b>
		• 17.5 mm width 24...48V DC 24...240V AC, 50/60 Hz	100-K, 100- C, 100-D	<b>700-FEY2QU23</b>

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

	Description	Voltage Range	For Use With	Cat. No.		
	<b>Mechanical Interlocks</b> For interlocking of two contactors. Common interlock for all Bul. 100-C contactor sizes 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 only without auxiliary contacts	100-C (except 100-C40, -C90)	<b>100-MCA00</b>		
		Mechanical/ electrical with 2 N.C. auxiliary contacts		<b>100-MCA02</b>		
	<b>Mechanical Latch</b> Following contactor latching, the contactor coil is immediately de-energized (off) by the N.C. auxiliary contact (65-66). Electrical or manual release 1 N.O. + 1 N.C. auxiliary contacts Suitable for all Bul. 100-C contactor sizes, 9...85 A	Maximum command duration 0.03...10 s	100-C with AC coils (except 100-C90)	<b>100-FL11⊗</b>		
	<b>DC Interface (Electronic)</b> Interface between the DC control signal (PLC) and the AC operating mechanism of the contactor. Requires no additional surge suppression on the relay coils	Input: 12V DC Output: 110...240V AC	100-C with AC coils 110...240V AC	100-JE12		
		Input: 18...30V DC Output: 110...240V AC		<b>100-JE</b>		
		Input: 48V DC Output: 110...240V AC		100-JE48		
	<b>Surge Suppressors</b> For limitation of coil switching transients. Plug-in, coil mounted. Suitable for all 100-C contactor sizes, 5 A. RC, varistor, and diode versions.	<b>RC Module</b> AC operating mechanism	100-C with AC coils	24...48V AC, 50/60 Hz	*	<b>100-FSC48</b>
				110...280V AC, 50/60 Hz	*	<b>100-FSC280</b>
				380...480V AC, 50/60 Hz	*	100-FSC480
		<b>Varistor Module</b> AC/DC operating mechanism	100-C	12...55V AC/ 12...77V DC	*	<b>100-FSV55</b>
				56...136V AC/ 78...180V DC	*	<b>100-FSV136</b>
				137...277V AC/ 181...350V DC	*	<b>100-FSV277</b>
				278...575V AC	*	100-FSV575
		<b>Diode Module</b> DC operating mechanism	100-C with DC coils	12...250V DC	*	<b>100-FSD250</b>

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

**⊗ 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
<b>KJ</b>	24V 50/60 Hz
<b>KY</b>	48V 50/60 Hz

AC Control	
Code	Description
<b>KD</b>	110V 50/60 Hz
<b>KF</b>	230V 50/60 Hz

AC Control	
Code	Description
<b>KN</b>	400V 50/60 Hz

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

### 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.





170-PW23

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

### Reversing Starter Kits





	Description	For Use With	Cat. No.
	<b>Reversing Power Wiring Kits</b> For reversing connection with a solid-state or thermal overload relay	100-C09...C23	<b>105-PW23</b>
		100-C30...C37	<b>105-PW37</b>
		100-C43	<b>105-PW43</b>
		100-C60...85	<b>105-PW85</b>

### Marking Systems

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

PQ = Package Quantity

**Enclosures**

	Description	For Use With	Cat. No.
	<b>Plastic Enclosures for DOL Starters</b> For Bulletin 100-C09...C23 contactors with overload relays Bulletin 193-ED, -EE, or -T1 Protection class IP66 Prestampings for two pilot lights		
	Material: ABS V-0 With blue RESET push button	100-C09...C23 + 193-ED, -EE, -CT	<b>198E-A0S1</b>
	With green START and raised red STOP/RESET push buttons, START contact kit included.		<b>198E-A0S4</b>
	Material: PC V-0 With blue RESET push button	100-C09...C23 + 193-ED, -EE, -CT	198E-C0S1
With green START and raised red STOP/RESET push buttons, START contact kit included.		198E-C0S4	
	<b>Pushbutton Latch</b> For maintained contact control, enclosures with START/STOP push buttons.	198E-A0S4, 198E-C0S4	198E-PLA
	<b>Neutral Terminal</b>	198E-A..., 198E-C...	<b>198E-PNT</b>
	<b>START Contact Kit</b> Included in the enclosure, as spare part only.	198E-A0S4, 198E-C0S4	198E-PCK
	<b>Pilot Lights</b> , see 140A page 3-7		

**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:**

- Contactor Aux
- Relay
- Pushbutton
- Proximity Switch
- Limit Switch

**Outputs to:**

- Contactor Coil
- Starter
- Relay
- Signal Lamp
- 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)	<b>100-DNY42R</b>
4 (24V DC)	2 Solid-State (24V DC)	100-DNY42S

## Contactors 100-D

- Conventional and Electronic Coils
- 3 Main Contacts



100-D95



100-D420



100-D860

### Contactors with 3 Main Contacts

Rated Operational Current $I_e$ [A]		Ratings for Switching AC Motors — AC-2, AC-3, AC-4	Auxiliary Contacts		Cat. No.
(60 °C)	(40 °C)				
AC-3	AC-1	3Ø kW (50 Hz)			
		400/415V	N.O.	N.C.	

#### 3-Pole AC-Operated Contactors

95	160	50	1	1		<b>100-D95</b> ⊗11
110	160	55	1	1		<b>100-D110</b> ⊗11
140	250	75	1	1		<b>100-D140</b> ⊗11
180	250	90	1	1		<b>100-D180</b> ⊗11
210	350	110	1	1		<b>100-D210</b> ⊗11
250	350	132	1	1		<b>100-D250</b> ⊗11
300	450	160	1	1		<b>100-D300</b> ⊗11
420	540	220	1	1		<b>100-D420</b> ⊗11
630	800	355	1	1		<b>100-D630</b> ⊗11
860	1000	500	1	1		<b>100-D860</b> ⊗11

#### 3-Pole DC-Operated Contactors

95	160	50	2	1/1L	⊗	100-D95⊗22L
			1	1		<b>100-D95</b> ⊗11
110	160	55	2	1/1L	⊗	100-D110⊗22L
			1	1		<b>100-D110</b> ⊗11
140	250	75	2	1/1L	⊗	100-D140⊗22L
			1	1		<b>100-D140</b> ⊗11
180	250	90	2	1/1L	⊗	100-D180⊗22L
			1	1		<b>100-D180</b> ⊗11
210	350	110	1	1		<b>100-D210</b> ⊗11
250	350	132	1	1		<b>100-D250</b> ⊗11
300	450	160	1	1		<b>100-D300</b> ⊗11
420	540	220	1	1		<b>100-D420</b> ⊗11
630	800	355	1	1		<b>100-D630</b> ⊗11
860	1000	500	1	1		<b>100-D860</b> ⊗11

⊗ Conventional Coil: The pickup winding must be interconnected with the N.C. late-breaking auxiliary contact.



⊗ The cat. no. as listed is incomplete. Select a coil voltage code from the table on page 1-38 to complete the cat. no. Example: 230V, 50/60 Hz: Cat. no. **100-D95**⊗11 becomes cat. no. **100-D95KF11**.

## Safety Contactors 100S-D

- Conventional and Electronic Coils
- 3 Main Contacts



### Contactors with 3 Main Contacts

Rated Operational Current $I_e$ [A]		Ratings for Switching AC Motors — AC-2, AC-3, AC-4	Auxiliary Contacts		Standard Auxiliary Contact	Bifurcated Auxiliary Contact
60 °C	40 °C					
AC-3	AC-1	3Ø kW (50 Hz)	N.O.	N.C. *	Cat. No.	Cat. No.
		400/415V				

#### 3-Pole AC-Operated Contactors

95	160	50	2	2	100S-D95⊗22C	<b>100S-D95⊗22BC</b>
110	160	55	2	2	100S-D110⊗22C	<b>100S-D110⊗22BC</b>
140	250	75	2	2	100S-D140⊗22C	<b>100S-D140⊗22BC</b>
180	250	90	2	2	100S-D180⊗22C	<b>100S-D180⊗22BC</b>
210	350	110	2	2	100S-D210⊗22C	<b>100S-D210⊗22BC</b>
250	350	132	2	2	100S-D250⊗22C	<b>100S-D250⊗22BC</b>
300	450	160	2	2	100S-D300⊗22C	<b>100S-D300⊗22BC</b>
420	540	220	2	2	100S-D420⊗22C	<b>100S-D420⊗22BC</b>
630	800	355	2	2	100S-D630⊗22C	<b>100S-D630⊗22BC</b>
860	1000	500	2	2	100S-D860⊗22C	<b>100S-D860⊗22BC</b>

#### 3-Pole DC-Operated Contactors

95	160	50	3	2/1L	⊗	100S-D95⊗33LC	—
			2	2		100S-D95⊗22C	<b>100S-D95⊗22BC</b>
110	160	55	3	2/1L	⊗	100S-D110⊗33LC	—
			2	2		100S-D110⊗22C	<b>100S-D110⊗22BC</b>
140	250	75	3	2/1L	⊗	100S-D140⊗33LC	—
			2	2		100S-D140⊗22C	<b>100S-D140⊗22BC</b>
180	250	90	3	2/1L	⊗	100S-D180⊗33LC	—
			2	2		100S-D180⊗22C	<b>100S-D180⊗22BC</b>
210	350	110	2	2		100S-D210⊗22C	<b>100S-D210⊗22BC</b>
250	350	132	2	2		100S-D250⊗22C	<b>100S-D250⊗22BC</b>
300	450	160	2	2		100S-D300⊗22C	<b>100S-D300⊗22BC</b>
420	540	220	2	2		100S-D420⊗22C	<b>100S-D420⊗22BC</b>
630	800	355	2	2		100S-D630⊗22C	<b>100S-D630⊗22BC</b>
860	1000	500	2	2		100S-D860⊗22C	<b>100S-D860⊗22BC</b>

\* The N.C. contacts meet IEC 60947-4 Annex F requirements to mirror contact performance. The N.C. mirror contacts are wired in series or parallel and must be used as monitoring contacts with feedback to the safety circuit.

⊗ Conventional Coil: The pickup winding must be interconnected with the N.C. late-breaking auxiliary contact.

⊗ The cat. no. as listed is incomplete. Select a coil voltage code from the table on page 1-38 to complete the cat. no. Example: 230V, 50/60 Hz: Cat. no. **100-D95⊗11** becomes cat. no. **100-D95KF11**.

## Product Selection / Accessories

## ⊗ Coil Voltage Codes for AC Control

Conventional Coil		[V]	24	48	110	120	220-230	230	240	380-400	440	500
-D95...-D180	50 Hz		<b>K</b>	<b>Y</b>	<b>D</b>	—	<b>A</b>	—	—	<b>N</b>	—	<b>M</b>
	60 Hz		<b>J</b>	<b>X</b>	—	<b>D</b>	—	—	<b>A</b>	—	<b>N</b>	—
-D95...-D110	50/60 Hz		—	—	<b>KN</b>	—	—	<b>KF</b>	—	—	—	—

Electronic Coil w/ EI Interface *		[V]	24	42-64	110-130	208-277	380-415	440-480	380-500
-D95...-D300	50/60 Hz		<b>EJ</b> *	<b>EY</b>	<b>ED</b>	<b>EA</b>	—	—	<b>EN</b>
-D420	50/60 Hz		—	—	<b>ED</b>	<b>EA</b>	—	—	<b>EN</b>
-D630...-D860	50/60 Hz		—	—	<b>ED</b>	<b>EA</b>	<b>EN</b>	<b>EB</b>	—

## ⊗ Coil Voltage Codes for DC Control

Conventional Coil		[V]	24	48	110	220
-D95...-D180 ‡	DC		<b>ZJ</b>	<b>ZY</b>	<b>ZD</b>	<b>ZA</b>


Electronic Coil w/ EI Interface *		[V]	24	48-72	110-130	200-255
-D95...-D300	DC		<b>EZJ</b>	<b>EZY</b>	<b>EZD</b>	<b>EZA</b>
-D420	DC		—	—	<b>EZD</b>	<b>EZA</b>
-D630...-D860	DC		—	—	<b>ED</b>	<b>EA</b>

\* Signal voltage of the electronic interface (100-D..., 100S-D...): nominal  $U_0$ : 24V DC/ $I_0$ : 15 mA  
Pickup voltage: 13.0V DC...30.2V DC Dropout Voltage: -3.0V DC...+5.0V DC.


\* Not available with 100(S)-D300

‡ For conventional DC coils, the pickup winding must be interconnected with the N.C. late-breaking auxiliary contact(s).







## Accessories for 100-D, 100S-D

Description	Auxiliary Contact		For Use With	Auxiliary Contact	
	N.O.	N.C.		Standard Cat. No.	Bifurcated Cat. No.
 <b>Auxiliary Contacts</b> Side-mounted with IEC sequence terminal designations Standard contacts 17V/10 mA Bifurcated contacts for signals down to 5V/2 mA	1	1	100-D left or right inside mounting	<b>100-DS1-11</b>	100-DS1-B11H
	1	1	100-D left or right outside mounting	<b>100-DS2-11</b>	100-DS2-B11H
	1	1L	100-D left or right inside mounting	<b>100-DS1-L11</b>	100-DS1-BL11H
	2	0	100-D left or right inside mounting	<b>100-DS1-20</b>	100-DS1-B20H
	2	0	100-D left or right outside mounting	<b>100-DS2-20</b>	100-DS2-B20H
<b>Auxiliary Contacts</b> Electronically compatible auxiliary contacts Ideal for use when switching low-power control circuits With IEC sequence terminal designations Contact ratings: AC-12, 250V, 0.1 A AC-15, DC-13, 3...125V, 1...100 mA	1	1	100-D left or right inside mounting	<b>100-DS1-B11</b>	—

Accessories for 100-D, 100S-D, Continued

	Description	Suppressor Rating	For Use With	Cat. No.		
 <p><b>Suppressor Module for Bul. 100-D Contactors</b></p> <ul style="list-style-type: none"> <li>For limiting surge voltage when coil circuits are interrupted</li> <li>Supplied as standard on all conventional DC coil contactors and all electronic coil contactors (as part of the supply module or delivered with separate suppressor module)</li> </ul>		<b>RC Module (AC control) for contactors with conventional coil</b> 21...48V, 50 Hz; 24...55V, 60 Hz	100-D95...100-D180	100-DFSC48		
		95...110V, 50 Hz; 110...127V, 60 Hz		<b>100-DFSC110</b>		
		180...277V, 50 Hz; 208...277V, 60 Hz		<b>100-DFSC240</b>		
		380...550V, 50 Hz; 440...600V, 60 Hz		100-DFSC550		
				<b>Varistor Module for contactors with conventional coil</b> 55V AC	100-D95...100-D180	100-DFSV55
				56...136V AC		<b>100-DFSV136</b>
				137...277V AC		100-DFSV277
				278...600V AC		100-DFSV575
				208...277V AC *	100-D95...100-D180	<b>100-DFSV550</b>

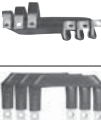
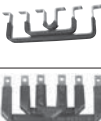





\* For overvoltage category IV (IEC 947 for 100-D...-E) e.g., lightning protection requirements.

	Description	For Use With	Cat. No.
 <p><b>Interlock — Mechanical Only</b> No additional space required</p>		100-D95...100-D420	<b>100-DMA00</b>
 <p><b>Interlock — Dual Electrical/Mechanical</b> No additional space required Two N.C. auxiliary contacts</p>		100-D95...100-D860	<b>100-DMD02</b>
 <p><b>Interlock — Dual Electrical/Mechanical</b> Provides interlocking between Bul. 100-C and Bul. 100-D contactors Two N.C. auxiliary contacts</p>		100-C60...100-C85 between 100-D95...100-D180	100-DMC02
 <p><b>Terminal Lugs</b> Set of two Protection class IP2X per IEC 60529 and DIN 40 050</p>		100-D95, 100-D110	<b>100-DTB110</b>
		100-D140, 100-D180, 100-D95E...D180E, 193-EC_F, 193-EE_F	<b>100-DTB180</b>
		100-D210...100-D420, 193-EC_G, 193-EF2C, 193-EE_G	<b>100-DTB420</b>
 <p><b>Control Circuit Terminal</b> 2 x 2.5 mm<sup>2</sup></p>		Connects to Cat. Nos. 100-D95...D180	100-DAT1
		Connects to Cat. Nos. 100-D210...D420	100-DAT2
 <p><b>Phase Barriers</b> Set of 4</p>		100-D630...D860, 193-EC_H, 193-EE_H	100-DPB860

**POWER**



## Accessories for 100-D, 100S-D, Continued

	Description	Output Connection	For Use With			Cat. No.
			100-D 95...180	100-D 210...420	100-D 630...860	
	Reversing: Input Connection Wye-Delta: Main-Delta connection	50 mm <sup>2</sup>	X *			100-D180-VL
		120 mm <sup>2</sup>		X *		100-D420-VL
		350 mm <sup>2</sup>			X *	100-D860-VL
		50 mm <sup>2</sup>	X ⚡			<b>100-D180-VLTB</b>
		120 mm <sup>2</sup>		X ⚡		100-D420-VLTB
	Reversing: Output Connection Wye-Delta: Delta-Wye connection	50 mm <sup>2</sup>	X *			<b>100-D180-VT</b>
		120 mm <sup>2</sup>		X *		<b>100-D420-VT</b>
		350 mm <sup>2</sup>			X *	100-D860-VT
		50 mm <sup>2</sup>	X ⚡			<b>100-D180-VTTB</b>
	Delta-Wye connection if 100-D95...180 is used as a Wye contactor	120 mm <sup>2</sup>		X ⚡		100-D420-VTTB
		80 mm <sup>2</sup>	—	X ⚡		100-D420-VYTB
	Wye-Delta: Neutral bridge	—	X			<b>100-D180-VYU</b>
		—		X		<b>100-D420-VYU</b>
		—			X	100-D860-VYU
	Power Wiring Kits (for contactors using 100-DL lug kits)	For 100-D95...100-D180 Reversing			100-DPW180	
		Two-speed, or changeover Wye-Delta/Star-Delta			100-D180-VL	
					100-DPY180	
		For 100-D210...100-D420 Reversing			100-DPW420	
		Two-speed, or changeover Wye-Delta/Star-Delta			100-D420-VL	
					100-DPY420	
For 100-D630...100-D860 Reversing			100-DPW860			
Two-speed, or changeover			100-D860-VL			
	<b>Terminal Shields</b> Set of two Protection class IP10 per IEC 60529 and DIN 40 050 For direct-on-line, reversing, two-speed, and wye-delta/star-delta assemblies	100-D95, 100-D110			<b>100-DTS110</b>	
		100-D140, 100-D180, 100-D95- E...100-D180-E			<b>100-DTS180</b>	
		100-D210...100-D420			<b>100-DTS420</b>	
	<b>Terminal Covers</b> Protection class IP20 per IEC 60529 and DIN 40 050 For direct-on-line, reversing, two-speed, and wye-delta/star-delta assemblies	100-D95...100-D180, 193-EC_F, 193-EE_F			<b>100-DTC180</b>	
		100-D210...100-D420, 193-EC_G, 193-EE_G			<b>100-DTC420</b>	
		100-D630...100-D860, 193- EC_H, 193-EE_H			<b>100-DTC860</b>	

\* For use with terminal lugs 100-DL... (UL/CSA), see publication A115-CA001...



⚡ For use with terminal blocks 100-DTB...

### Contactors 100-G

- 315...710 kW, 400V
- 350...900 Hp, 460/575V
- 3-Pole Contactors
- 4th Add-On Neutral Switching Pole
- AC and DC Control
- Horizontal and Vertical Interlocking
- Mechanical Latching
- Meets IEC, CE, UL, and cUL Standards and Approvals



### Contactors with 3 Main Contacts

Rated Operational Current $I_e$ [A]	Ratings for Switching AC Motors — AC-2, AC-3	Auxiliary Contacts		Cat. No.
				
AC-1	3Ø kW (50 Hz)			
40 °C	400V	N.O.	N.C.	
760	315	2	2	100-G550⊗22
1000	400	2	2	100-G700⊗22
1100	500	2	2	100-G860⊗22
1200	560	2 *	2	⊗ 100-G1000⊗12
1350	710	2 *	2	⊗ 100-G1200⊗12







\* 1 N.O. contact used in control circuit

⊗ No UL/cUL

### ⊗ Coil Voltage Codes for AC and DC Control

		[V]	100-110	110-120	200-220	220-240	345-380	380-415	440-480
100-G550...100-G860	50/60 Hz	—	<b>KD</b>	—	<b>KF</b>	—	<b>KN</b>	<b>KB</b>	
	DC	KD	—	KF	—	KN	—	—	
		[V]	110	110-115	220	220-230	240	380-400	480
100-G1000...100-G1200	50/60 Hz	—	<b>KD</b>	—	<b>KF</b>	<b>KA</b>	<b>KN</b>	<b>KU</b>	
	DC	ZD	—	ZA	—	—	—	—	

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

	Description	For Use With	Cat. No.
	<b>Auxiliary Contact Block</b> For mounting between T1 & T2 or between T2 & T3 Adjustable; provides normal, delayed, or overlapping contacts Max. two blocks/contactor Alternate terminal marking tags included 2 N.O. and 2 N.C. contacts	100-G550...100-G860	<b>100-EF22</b>
	<b>Auxiliary Contact Block</b> For side mounting on either side of the contactor Max. four blocks/contactor Alternate terminal marking tags included 1 N.O. and 1 N.C. contact	100-G1000...100-G1200	100-EB11
	<b>Fourth Add-On Neutral Switching Pole</b> Left- or right-side mountable Note: no UL/cUL	100-G550	100-NP500-5
		100-G700, 100-G860	100-NP500-6
		100-G700, 100-G860	100-NP1000-6
		100-G1000, 100-G1200	100-NP1000-7
	<b>Mechanical Latch</b> Mechanical life: 0.5 million operations Direct and Impulse Control	100-G550	100-FLAM5⊗
		100-G700, 100-G860	100-FLAM6⊗
	<b>Mechanical Interlock — Horizontal</b>	100-G550 to 100-G550	100-MC00-5H
		100-G550 to 100-G700 or 100-G860	100-MC00-56H
		100-G700 or 100-G860 to 100-G700 or 100-G860	100-MC00-6H
		100-G700 or 100-G860 to 100-G1000 or 100-G1200	100-MC00-67H
		100-G1000 or 100-G1200 to 100-G1000 or 100-G1200	100-MC00-7H
	<b>Mechanical Interlock — Vertical</b>	100-G550 to 100-G550	100-MC00-5V
		100-G550 to 100-G700 or 100-G860	100-MC00-56V
		100-G700 or 100-G860 to 100-G700 or 100-G860	100-MC00-6V
		100-G700 or 100-G860 to 100-G1000 or 100-G1200	100-MC00-67V
		100-G1000 or 100-G1200 to 100-G1000 or 100-G1200	100-MC00-7V

⊗ **Coil Voltage Codes for AC Control**

	[V]	110...120	220...240	380...415	440...480
100-G550... 100-G860	50/60Hz	<b>KD</b>	<b>KF</b>	<b>KN</b>	<b>KB</b>

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

*Rockwell Power Contactors Overview\_en\_0611.pdf*



www.klinkmann.com

**Helsinki**

tel. +358 9 540 4940  
automation@klinkmann.fi

**Yekaterinburg**

tel. +7 343 376 5393  
yekaterinburg@klinkmann.spb.ru

**Vilnius**

tel. +370 5 215 1646  
post@klinkmann.lt

**St. Petersburg**

tel. +7 812 327 3752  
klinkmann@klinkmann.spb.ru

**Samara**

tel. +7 846 273 95 85  
samara@klinkmann.spb.ru

**Tallinn**

tel. +372 668 4500  
klinkmann.est@klinkmann.ee

**Moscow**

tel. +7 495 641 1616  
moscow@klinkmann.spb.ru

**Kiev**

tel. +38 044 495 33 40  
klinkmann@klinkmann.kiev.ua

**Riga**

tel. +371 6738 1617  
klinkmann@klinkmann.lv

**Minsk**

tel. +375 17 200 0876  
minsk@klinkmann.com