



# IEC Contactor Specifications

Bulletin Numbers 100/104-K, 100/104-C, 100/104S-C, 100/104-D, 100S-D, 100-G, 100Q-C

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## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

| Resource                                                                                    | Description                                                                         |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a> | Provides general guidelines for installing a Rockwell Automation industrial system. |
| Product Certifications website, <a href="http://www.ab.com">http://www.ab.com</a>           | Provides declarations of conformity, certificates, and other certification details. |

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.



## IEC Contactors

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