Allen-Bradley

# 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 1770-4.1 | Provides general guidelines for installing a Rockwell Automation industrial system. |
| Product Certifications website, http://www.ab.com | 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

| | | | | | |
|---|---|---|---|---|---|
| **Bulletin No.** | **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 | • Mini-contactors<br>• Uniform panel mounting dimensions<br>• Panel mounting or mounting on 35 mm DIN Rail<br>• AC or DC coil control<br>• Made of environmentally friendly materials | • Panel mounting or mounting on 35 mm DIN Rail<br>• AC or DC coil control<br>• Reversible coil terminals (line or load side)<br>• Common accessories<br>• Made of environmentally friendly materials | • Panel mounting or mounting on 35 mm DIN Rail<br>• AC or DC coil control<br>• Reversible coil terminals (line or load side)<br>• Common accessories<br>• Made of environmentally friendly materials | • Panel mounting only<br>• Made of environmentally friendly materials<br>• AC or DC coil control (conventional or electronic)<br>• Integrated PLC interface (electronic coil) | • Panel mounting<br>• AC or DC coil control<br>• Horizontal or vertical interlock<br>• Latching<br>• 4th pole |
| 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 | **Conventional Coils**<br>**Cat. Nos. 100-D115…D180**<br>AC: 24…550V 50 Hz, 24…600V 60Hz, 100…277V 50/60Hz<br>DC: 24…250V DC<br>**Electronic Coils**<br>**Cat. Nos. 100-D115…D300**<br>AC: 24…500V 50/60 Hz<br>DC: 24…255V DC<br>**Cat. Nos. 100-D420**<br>AC: 42…500V 50/60 Hz<br>DC: 48…255V DC<br>**Cat. Nos. 100-D630…D860**<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 | • Front-mount auxiliary contacts<br>• Surge suppressors<br>• Electronic timers<br>• Mechanical interlocks | • Front or side-mount auxiliary contacts<br>• Surge suppressors<br>• Electronic or pneumatic timers<br>• Mechanical interlocks<br>• Mechanical latches | • Side-mount auxiliary contacts<br>• Surge suppressors<br>• Electronic timers | • Side-mount auxiliary contacts<br>• Surge suppressors<br>• IP20 terminal blocks<br>• Terminal shields<br>• Terminal covers<br>• Connecting components<br>• Terminal lugs<br>• Mechanical/electrical interlocks | • Auxiliary contact<br>• 4th pole<br>• Vertical interlock<br>• Horizontal interlock<br>• Mechanical latch |
| Standards/Certifications | • UL<br>• CSA<br>• IEC<br>• CE Marked<br>• CCC | • UL<br>• CSA<br>• IEC<br>• CE Marked<br>• CCC | • UL<br>• CSA<br>• IEC<br>• CE Marked | • UL<br>• CSA<br>• IEC<br>• CE Marked<br>• CCC(115…180 A - conventional coil; 140…420 A - electronic coil) | • UL<br>• CSA<br>• IEC<br>• CE Marked |