









# Product Line Overview

## IEC Contactors

					
Bulletin No.	100-K/104-K	100-C/104-C	100-E/104-E	100-D/104-D	100-G
Screw Terminals	✓	✓	Thru-hole	Thru-hole, threaded (630...860 A)	Thru-hole
Spring Terminals	✓ (5...9 A)	✓ (9...16 A)	—	—	—
Max. Current $I_e$	12 A	97 A	2650 A	860 A	1200 A
Current Rating	5...12 A	9...97 A	116...2650 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</li> <li><b>E116...E370</b> AC/DC electronic coil with optional PLC interface</li> <li><b>E400...E2650</b> AC/DC with PLC interface</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. 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 (9...23 A). Optional front- or side-mounted 1-, 2- or 4-pole external auxiliary contact block.	3 main poles with 2 auxiliary contacts (1 N.O. and 1 N.C.) Optional side-mounted 2-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 DC = 12...250V	AC = 12...600V, 50/60Hz DC = 9...250V	24...500V 50/60 Hz/DC	<p><b>Conventional Coils</b> Cat. Nos. 100-D115...D180 AC: 24...550V 50 Hz, 24...600V 60Hz, 100...277V 50/60Hz DC: 24...250V DC</p> <p><b>Electronic Coils</b> Cat. Nos. 100-D115...D300 AC: 24...500V 50/60 Hz DC: 24...255V DC</p> <p><b>Cat. Nos. 100-D420</b> AC: 42...500V 50/60 Hz DC: 48...255V DC</p> <p><b>Cat. Nos. 100-D630...D860</b> AC: 100...500V 50/60 Hz DC: 110...255V DC</p>	AC = 110...480V, 50/60Hz DC = 100...440V
Optional Overload Relays	Electronic or bimetallic	Electronic or bimetallic	Electronic	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>Mechanical interlocks</li> <li>Terminal lugs</li> <li>Terminal shields</li> <li>Connecting bars</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>EN/IEC</li> <li>CE Marked</li> <li>cULus</li> <li>CCC</li> <li>EAC</li> <li>C-tick</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...860 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>

# Safety Contactors

			
Bulletin No.	<b>1005-C/1045-C</b>	<b>1005-E</b>	<b>1005-D</b>
Screw Terminals	✓	Thru-hole	Thru-hole, threaded (630...860 A)
Max. Current $I_e$	97 A	750 A	860 A
Current Rating	9...97 A	116...750 A	115...860 A
Features	<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> <li>Optional gold-plated bifurcated versions</li> </ul> </li> <li>AC and DC operating coils</li> <li>SUVA third-party certification</li> </ul>	<ul style="list-style-type: none"> <li>Mirror contact performance on auxiliary contacts</li> <li>Red N.C. low-power auxiliary contact used for feedback circuit</li> <li>SUVA third-party certification</li> <li>AC/ DC operating coils</li> <li>"Mirror Contact" symbol on front</li> </ul>	<ul style="list-style-type: none"> <li>Mirror contact performance on auxiliary contacts, which are required in feedback circuit for modern safety applications.</li> <li>The N.C. auxiliary contacts will not change state when a power contact welds.</li> <li>SUVA third-party certification</li> <li>AC and DC operating coils</li> <li>"Mirror Contact" symbol</li> </ul>
Contacts	3 main poles with N.C. mechanically linked or mirror feedback contacts	3 main poles with N.C. mirror feedback contacts	3 main poles with N.C. mirror feedback contacts
Coil Voltages	<p>AC = 12...600V, 50/60Hz</p> <p>DC = 12...250V</p>	<p>24...500V 50/60 Hz/DC</p>	<p><b>Conventional Coils</b>  <b>Cat. Nos. 1005-D115...D180</b>                      AC: 24...550V, 50 Hz; 24...600V, 60Hz; 100...277V, 50/60Hz                      DC: 24...250V</p> <p><b>Electronic Coils</b>  <b>Cat. Nos. 1005-D115...D300</b>                      AC: 24...500V, 50/60 Hz                      DC: 24...255V</p> <p><b>Cat. Nos. 1005-D420</b>                      AC: 42...500V 50/60 Hz                      DC: 48...255V</p> <p><b>Cat. Nos. 1005-D630...D860</b>                      AC: 100...500V, 50/60 Hz                      DC: 110...255V</p>
Optional Accessories	<ul style="list-style-type: none"> <li>Side-mount auxiliary contacts</li> <li>Surge suppressors</li> <li>Electronic timers</li> <li>Mechanical interlocks</li> </ul>	<ul style="list-style-type: none"> <li>Side-mount auxiliary contacts</li> <li>Terminal shields</li> <li>Terminal lugs</li> <li>Terminal enlargements</li> <li>Terminal extensions</li> <li>Connection bars for 140G molded case circuit breakers, 140MG motor protection circuit breakers, and 140MG motor circuit protectors</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>
Standards Compliance	<ul style="list-style-type: none"> <li>EN/IEC 60947-4</li> <li>IEC 60947-5-1 Annex L — Mechanically Linked Contacts</li> <li>IEC 60947-4-1 Annex H — Mirror Contacts</li> <li>UL 508</li> <li>CSA C22.2 No. 14</li> <li>EN50205</li> </ul>	<ul style="list-style-type: none"> <li>EN/IEC 60947-4-1</li> <li>IEC 60947-4-1, Annex F — Mirror Contacts</li> <li>UL 60947-4-1</li> <li>CSA C22.2, No. 60947-4-1</li> </ul>	<ul style="list-style-type: none"> <li>EN/IEC 60947-4</li> <li>IEC 60947-4-1</li> <li>IEC 60947-4-1/A1: 2002-09, Annex F</li> <li>UL 508</li> <li>CSA C22.2, No. 14</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>cULus Listed (File No. E3125; Guide NLDX, NLDX7)</li> <li>SUVA Third-Party Certified</li> <li>CE Marked</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed (File No. E41850; Guide No. NLDX, NLDX7)</li> <li>CE Marked</li> <li>CCC</li> <li>UL</li> <li>CSA</li> <li>EAC</li> <li>RCM (C-tick)</li> <li>SUVA Third-Party Certified</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed (File No. E3125; Guide No. NLDX, NLDX7)</li> <li>SUVA Third-Party Certified</li> <li>CE Marked</li> <li>CCC (115...180 A - conventional coil; 140...860 A - electronic coil)</li> </ul>