
















## Bulletin 100-D IEC Contactors

### Bulletin 100-D/104-D Accessories

#### Auxiliary Contacts


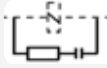
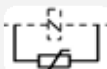
	Description			Connection Diagram	For Use With	Standard Auxiliary Contact Cat. No.	Bifurcated Cat. No.	
		No. of N.O. Contacts	No. of N.C. Contacts					
	<b>Auxiliary Contacts</b> <ul style="list-style-type: none"> <li>Side-mounted</li> <li>Without IEC sequence terminal designations</li> <li>Standard contacts 17V/10 mA</li> <li>Bifurcated contacts for signals down to 5V/2 mA</li> </ul>	1	1		100-D left or right inside mounting	100-DS1-11	100-DS1-B11H	
		1	1		100-D left or right outside mounting	100-DS2-11	100-DS2-B11H	
		1	1L		100-D left or right inside mounting	100-DS1-L11	—	
		2	0		100-D left or right inside mounting	100-DS1-20	100-DS1-B20H	
		2	0		100-D left or right outside mounting	100-DS2-20	100-DS2-B20H	
	<b>Auxiliary Contacts</b> <ul style="list-style-type: none"> <li>Electronic-compatible auxiliary contacts</li> <li>Ideal for use when switching low-power control circuits</li> <li>With IEC sequence terminal designations</li> <li>Contact ratings: AC-12, 250V, 0.1 A AC-15, DC-13, 3...125V, 1...100 mA</li> </ul>	1	1		100-D left or right inside mounting	100-DS1-B11	—	
		<b>Auxiliary Contacts</b> <ul style="list-style-type: none"> <li>Side-mounted</li> <li>Without IEC sequence terminal designations</li> <li>Standard contacts 17V/10 mA</li> <li>Bifurcated contacts for signals down to 5V/2 mA</li> </ul>	1	1		100-D left or right inside mounting	100-DS0-11	100-DS0-B11H
			2	0		100-D left or right inside mounting	100-DS0-20	100-DS0-B20H
	<b>Auxiliary Contacts</b> <ul style="list-style-type: none"> <li>Electronic-compatible auxiliary contacts</li> <li>Ideal for use when switching low-power control circuits</li> <li>Without IEC sequence terminal designations</li> <li>Contact ratings: AC-12, 250V, 0.1 A AC-15, DC-13, 3...125V, 1...100 mA</li> </ul>	1	1L		100-D left or right inside mounting	100-DS0-L11	—	
		1	1		100-D left or right inside mounting	100-DS0-B11	—	

#### Marking Systems (For 100-D115...D860 contactors)

	Description	Pkg. Qty.*	Cat. No.
	<b>Label Sheet</b> 105 self-adhesive paper labels each, 6 x 17 mm	10	100-FMS
	<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	100-FMC
	<b>Marking Tag Adapters</b> To be used with marking tag: System V4/V5	100	100-FMA1
	<b>Marking Tag Adapters</b> To be used with marking tag: System 1492 W	100	100-FMA2

\* Must be ordered in multiples of package quantities.

## Suppressor Modules







	Description	Connection Diagram	Suppressor Rating	For Use With	Cat. No.		
	<b>Suppressor Module for Bul. 100-D Contactors</b> <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)</b> for contactors with conventional coil 21...48V, 50 Hz; 24...55V, 60 Hz	100-D115...100-D180	100-DFSC48		
			95...110V, 50 Hz; 110...127V, 60 Hz		100-DFSC110		
			180...277V, 50 Hz; 208...277V, 60 Hz		100-DFSC240		
			380...550V, 50 Hz; 440...600V, 60 Hz		100-DFSC550		
			<b>Varistor Module</b> for contactors with conventional coil 55V AC	100-D115...100-D420	56...136V AC	100-DFSV136	
					137...277V AC	100-DFSV277	
					278...600V AC	100-DFSV575	
				<b>Varistor Module</b> for contactors with electronic coil 208...277V AC*	100-D115...100-D420	100-DFSV550	
						380...500V AC‡	100-DFSV500
						100-D115...100-D300	

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







‡ For surge pulse >1 kV

Package Quantity = 1

## Connecting Components








	Description	Cross-section	For Use With			Terminal Connection	Cat. No.
			100-D115...180	100-D210...420	100-D630...860		
	Reversing: Input Connection Wye-Delta: Main-Delta connection	50 mm <sup>2</sup>	X			Terminal Blocks, 100-DTB... Lugs, 100-DL...	100-D180-VLTB
		120 mm <sup>2</sup>		X			100-D420-VLTB
		350 mm <sup>2</sup>			X		100-D860-VL
	Reversing: Output Connection Wye-Delta: Delta-Wye connection	50 mm <sup>2</sup>	X			Lugs, 100-DL...	100-D180-VT
		120 mm <sup>2</sup>		X			100-D420-VT
		350 mm <sup>2</sup>			X		100-D860-VT
	Delta-Wye connection if 100-D115...180 is used as a Wye contactor	50 mm <sup>2</sup>	X			Terminal Blocks, 100-DTB...	100-D180-VTTB
	Wye-Delta: Neutral bridge	80 mm <sup>2</sup>	—	X		Terminal Blocks, 100-DTB...	100-D420-VYTB
	Power Wiring Kits (for contactors using 100-DL lug kits)	—		X		—	100-D420-VYU
		—			X	—	100-D860-VYU
	Power Wiring Kits (for contactors using 100-DL lug kits)	For 100-D115...D100-D180		Reversing			100-DPW180
				Two-speed, or changeover			100-D180-VLTB
				Wye-Delta/Star-Delta			100-DPY180
		For 100-D210...100-D420		<ul style="list-style-type: none"> <li>• Reversing</li> <li>• Two-speed, or changeover</li> <li>• Wye-Delta/Star-Delta</li> </ul>			100-DPW420 100-D420-VLTB 100-DPY420
For 100-D630...100-D860					<ul style="list-style-type: none"> <li>• Reversing</li> <li>• Two-speed, or changeover</li> </ul>		100-DPW860 100-D860-VL

Package Quantity = 1

	Description	For Use With	Cat. No.	
	Terminal Lugs • Set of two  • Protection class IP2X per IEC 60529 and DIN 40 050	100-D115, 100-D140, 100-D180, 100-D115E...D180E, 193-EC_F, 193-EE_F	100-DTB180	
		100-D210...100-D420, 193-EC_G, 193-EF2C, 193-EE_G	100-DTB420	
	Terminal Lugs (UL/CSA), Copper Frame Set of three	100-D115, 100-D140, 100-D180, 193-EC_F, 193-EE_F	100-DL180	
		100-D210...100-D420, 193-EC_G, 193-EE_G	100-DL420	
		100-D630, 100-D860, 193-EC_H, 193-EE_H	100-DL630	
		100-D630, 100-D860, 193-EC_H, 193-EE_H	100-DL860	
	Control Circuit Terminal 2 x 2.5 mm <sup>2</sup>	Connects to Cat. Nos. 100-D115...D180	100-DAT1	
		Connects to Cat. Nos. 100-D210...D420	100-DAT2	
	Terminal Shields • 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-D115...100-D180, 193-FE	100-DTS180	
		100-D210...100-D420, 193-FE	100-DTS420	
	Terminal Covers • Protection class IP20 per IEC 60529 and DIN 40 050  • For direct-on-line, reversing, two-speed, and wye-delta/star-delta assemblies	100-D115...100-D180, 193-EC_F, 193-EE_F	100-DTC180	
		100-D210...100-D420, 193-EC_G, 193-EE_G	100-DTC420	
		100-D630...100-D860, 193-EC_H, 193-EE_H	100-DTC860	
		100-D630...100-D860, 193-EC_H, 193-EE_H	100-DTCE860	
	Terminal Covers Line-side panel relay and reversing cover		100-DTCR860	
	Terminal Covers Reversing starter/relay cover		100-DTCS860	
	Terminal Covers DOL Starter/relay cover		100-DTCS860	
	Mounting Plate • Galvanized steel plate for starter combinations  • For direct-on-line, reversing, two-speed, wye-delta/  • star-delta, and Dahlander assemblies	100-D115...100-D180	Direct-on-line	100-DMS180
			Reversing, two-speed or changeover	100-DMU180
			Y-Δ or Dahlander	100-DMY180
		100-D210...100-D420	Direct-on-line	100-DMS420
			Reversing, two-speed or changeover	100-DMU420
			Y-Δ or Dahlander	100-DMY420
		100-D630...100-D860	Direct-on-line	100-DMS860
			Reversing, two-speed or changeover	100-DMU860
			Y-Δ or Dahlander	100-DMY860

Package Quantity = 2

## Interlocks

	Description	Circuit Diagram	For Use With	Cat. No.
	Interlock – Mechanical Only • No additional space required		100-D115...100-D420	100-DMA00
	Interlock – Dual Electrical/Mechanical • No additional space required  • Two N.C. auxiliary contacts		100-D115...100-D860	100-DMD02
	Interlock – Mechanical Only • No additional space required		100-D115...100-D860	100-DMD00
	Interlock – Mechanical Only • Provides interlocking between Bul. 100-C and Bul. 100-D contactors		100-C60...100-C97 between 100-D115...100-D180	100-DMC00
	Interlock – Dual Electrical/Mechanical • Provides interlocking between Bul. 100-C and Bul. 100-D contactors  • Two N.C. auxiliary contacts		100-C60...100-C97 between 100-D115...100-D180	100-DMC02

Package Quantity = 1

