



Bulletin 100S-D — Safety Contactors

- 63...500 kW @ 400V
- 75...600 Hp @ 460V
- 100...700 Hp @ 575V
- Electronic and conventional coils
 - AC & DC
 - Integrated PLC interface
 - Low power pick-up & hold-in
 - Wide voltage ranges
- Complete range of accessories
- Environmentally friendly
- Compact dimensions

Bulletin 100S-D safety contactors were designed to address the needs of modern safety applications requiring feedback and monitoring of the energy isolating switchgear used in hazardous motion loads. The

100S-D meets these needs through its "mirror contact" design. If a power contact welds, the N.C. auxiliary contacts will not change state. This feature provides reliable indication about the open/closed status of the main power poles. In addition, the gold-plated bifurcated auxiliary contacts are ideally suited for low-energy applications or feedback control circuits with multiple series-connected N.C. auxiliary contacts.

Table of Contents

- Product Selection this page
- Accessories..... 2-153
- Approximate Dimensions..... 2-198

Standards Compliance



- IEC 60947-4-1
- IEC 60947-4 Annex F
- IEC 60947 Type "2"
- Coordination
- CSA C22.2 No. 14
- UL 508

Certifications

- CE Marked
- cULus Listed (File No. E 41850, Guide NLDX, NLDX7)
- SUVA Certified
- CCC (115...180 conventional coil; 140...420 electronic coil)

Your order must include: cat. no. of the contactor specified with coil voltage code and, if required, cat. no. of any accessories and/or replacement coils.

Product Selection
3-Pole AC-Operated Contactors

I_e [A]		Switching of 3-phase motors AC-2, AC-3										Auxiliary contacts		Cat. No. ➤
60 °C	40 °C	kW (50 Hz)*						Hp (60 Hz)				N.O.	N.C.*	
AC-3	AC-1	230V	400V	415V	500V	690V	1000V	200V	230V	460V	575V			
115	250	37	63	66/75	80	111	63	40	40	75	100	2	2	100S-D115⊗22BC
140	250	45	78	82/90	80/100‡	110/132‡	75	40	50	100	125	2	2	100S-D140⊗22BC
180	250	55	101	100	90/125‡	132/160‡	90	50	60	150	150	2	2	100S-D180⊗22BC
210	350	63	118	110	205	200	110	60	75	150	200	2	2	100S-D210⊗22BC
250	350	80	140	150	250	250	133	75	100	200	250	2	2	100S-D250⊗22BC
300	450	90	170	160	290	300	160	100	125	250	300	2	2	100S-D300⊗22BC
420	540	132	238	250	420	425	220	150	175	350	400	2	2	100S-D420⊗22BC
630	800	200	355	355	500	500	—	200	250	500	600	2	2	100S-D630⊗22BC
860	1000	250	500	500	500	600	—	250	300	600	700	2	2	100S-D860⊗22BC

* Preferred values according to IEC 60072-1.

* The N.C. contacts meet IEC 60947-4 Annex F requirements for 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.

‡ Higher kW rating only applies to contactors with electronic coil.

➤ If standard cross-stamped auxiliary contacts are required, remove the letter "B" before the letter "C" in the cat. no. Example: Cat. No. **100S-D115⊗22BC** becomes Cat. No. **100S-D115⊗22C**.

⊗Coil voltage code—see page 2-152