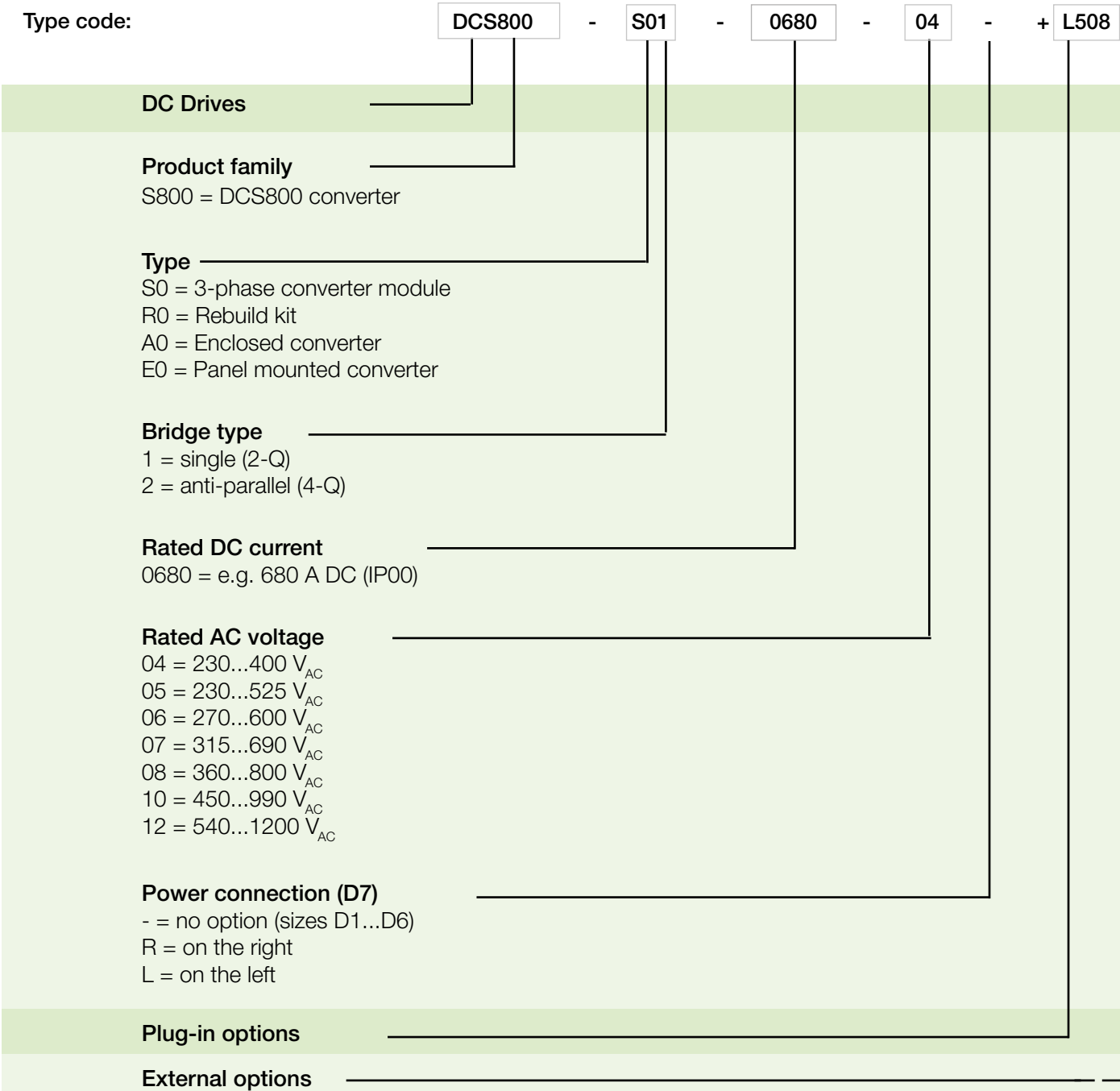


Type code



Current ratings

The current ratings for the DCS800 with 50 Hz and 60 Hz supplies are given below. The symbols are described below the table. The characteristics are based on an ambient temperature of max. 40°C and an elevation of max. 1000 m a.s.l.

Unit type 2-Q converters				Unit type 4-Q converters				int. field current [A]	Fan volt. [V _{dc}]	Air volume [m³/h]	P _{Loss} [kW]	④	Frame size
	I _{dc} [A]	P _{out} ③ [kW]	[kW]		I _{dc} [A]	P _{out} ③ [kW]	[kW]						
400 V / 500 V / 525 V		400V	500V			400V	500V						
DCS800-S01-0020-04/05	20	9	12	DCS800-S02-0025-04/05	25	10	13	6	without fan	300	0.11		D1
DCS800-S01-0045-04/05	45	21	26	DCS800-S02-0050-04/05	50	21	26	6		300	0.17		D1
DCS800-S01-0065-04/05	65	30	38	DCS800-S02-0075-04/05	75	31	39	6		300	0.22		D1
DCS800-S01-0090-04/05	90	42	52	DCS800-S02-0100-04/05	100	42	52	6		300	0.28		D1
DCS800-S01-0125-04/05	125	58	73	DCS800-S02-0140-04/05	140	58	73	6		300	0.38		D1
DCS800-S01-0180-04/05	180	84	104	DCS800-S02-0200-04/05	200	83	104	15	115/230; 1-ph	300	0.56		D2
DCS800-S01-0230-04/05	230	107	133	DCS800-S02-0260-04/05	260	108	135	15		300	0.73		D2
DCS800-S01-0315-04/05	315	146	183	DCS800-S02-0350-04/05	350	145	182	20		600	0.91		D3
DCS800-S01-0405-04/05	405	188	235	DCS800-S02-0450-04/05	450	187	234	20		600	1.12		D3
DCS800-S01-0470-04/05	470	213	280	DCS800-S02-0520-04/05	520	218	276	20		600	1.32		D3
DCS800-S01-0610-04/05	610	284	354	DCS800-S02-0680-04/05	680	282	354	25		950	1.76		D4
DCS800-S01-0740-04/05	740	344	429	DCS800-S02-0820-04/05	820	340	426	25	230; 1-ph ①	950	2.14		D4
DCS800-S01-0900-04/05	900	490	522	DCS800-S02-1000-04/05	1000	415	520	25		1900	2.68		D4
DCS800-S01-1190-04/05	1190 ⑤	553	690	DCS800-S02-1190-04/05	1190 ⑤	553	690	25 ②		800	5.00	●	D4+
DCS800-S01-1200-04/05	1200	558	696	DCS800-S02-1200-04/05	1200	498	624	25 ②	230; 1-ph	800	5.10	●	D5
DCS800-S01-1500-04/05	1500	698	870	DCS800-S02-1500-04/05	1500	623	780	25 ②		800	5.30	●	D5
DCS800-S01-2000-04/05	2000	930	1160	DCS800-S02-2000-04/05	2000	830	1040	25 ②		800	6.60	●	D5
DCS800-S01-2050-05	2050	953	1189	DCS800-S02-2050-05	2050	851	1066	-	400; 3-ph; 50 Hz	1600	8.00	●	D6
DCS800-S01-2500-04/05	2500	1163	1450	DCS800-S02-2500-04/05	2500	1038	1300	-	525; 3-ph; 50 Hz	1600	9.00	●	D6
DCS800-S01-3000-04/05	3000	1395	1740	DCS800-S02-3000-04/05	3000	1245	1560	-	460; 3-ph; 60 Hz	1600	11.10	●	D6
DCS800-S01-3300-04/05	3300	1535	1914	DCS800-S02-3300-04/05	3300	1370	1716	-		4200	11.70	●	D7
DCS800-S01-4000-04/05	4000	1860	2320	DCS800-S02-4000-04/05	4000	1660	2080	-	400; 3-ph; 50 Hz	4200	13.00	●	D7
DCS800-S01-5200-04/05	5200	2418	3016	DCS800-S02-5200-04/05	5200	2158	2704	-	460; 3-ph; 60 Hz	4200	19.00	●	D7
600 V / 690 V		600V	690V			600V	690V						
DCS800-S01-0290-06	290	203		DCS800-S02-0320-06	320	200		-	115/230; 1-ph	600	0.91	●	D3
DCS800-S01-0590-06	590	413		DCS800-S02-0650-06	650	405		-	230; 1-ph	950	1.86	●	D4
DCS800-S01-0900-06/07	900	630	720	DCS800-S02-0900-06/07	900	563	648	25 ②		800	5.10	●	D5
DCS800-S01-1500-06/07	1500	1050	1200	DCS800-S02-1500-06/07	1500	938	1080	25 ②	230; 1-ph	800	6.30	●	D5
DCS800-S01-2000-06/07	2000	1400	1600					25 ②		800	8.10	●	D5
DCS800-S01-2050-06/07	2050	1435	1640	DCS800-S02-2050-06/07	2050	1281	1476	-	400; 3-ph; 50 Hz	1600	9.20	●	D6
DCS800-S01-2500-06/07	2500	1750	2000	DCS800-S02-2500-06/07	2500	1563	1800	-	525; 3-ph; 50 Hz	1600	10.20	●	D6
DCS800-S01-3000-06/07	3000	2100	2400	DCS800-S02-3000-06/07	3000	1875	2160	-	460; 3-ph; 60 Hz	1600	12.20	●	D6
DCS800-S01-3300-06/07	3300	2310	2640	DCS800-S02-3300-06/07	3300	2063	2376	-		4200	13.10	●	D7
DCS800-S01-4000-06/07	4000	2800	3200	DCS800-S02-4000-06/07	4000	2500	2880	-	400; 3-ph; 50 Hz	4200	15.10	●	D7
DCS800-S01-4800-06/07	4800	3360	3840	DCS800-S02-4800-06/07	4800	3000	3456	-	460; 3-ph; 60 Hz	4200	19.50	●	D7
800 V		800V				800V							
DCS800-S01-1900-08	1900	1739		DCS800-S02-1900-08	1900	1558		-	400; 3-ph; 50 Hz	1600	9.00	●	D6
DCS800-S01-2500-08	2500	2288		DCS800-S02-2500-08	2500	2050		-	525; 3-ph; 50 Hz	1600	10.70	●	D6
DCS800-S01-3000-08	3000	2745		DCS800-S02-3000-08	3000	2460		-	460; 3-ph; 60 Hz	1600	12.70	●	D6
DCS800-S01-3300-08	3300	3020		DCS800-S02-3300-08	3300	2706		-		4200	13.40	●	D7
DCS800-S01-4000-08	4000	3660		DCS800-S02-4000-08	4000	3280		-	400; 3-ph; 50 Hz	4200	15.60	●	D7
DCS800-S01-4800-08	4800	4392		DCS800-S02-4800-08	4800	3936		-	460; 3-ph; 60 Hz	4200	20.00	●	D7
990 V		990V				990V							
DCS800-S01-2050-10	2050	2378		DCS800-S02-2050-09	2050	2132		-		4200	9.70	●	D7
DCS800-S01-2600-10	2600	3016		DCS800-S02-2600-09	2600	2704		-	400; 3-ph; 50 Hz	4200	12.10	●	D7
DCS800-S01-3300-10	3300	3828		DCS800-S02-3300-09	3300	3432		-	460; 3-ph; 60 Hz	4200	16.60	●	D7
DCS800-S01-4000-10	4000	4640		DCS800-S02-4000-09	4000	4160		-		4200	20.20	●	D7
1200 V	Data on request												

① with plus code 115 V selectable

② FEX425 internal field exciter as option; three-phase or single phase, separate supply max. 500 V_{AC}

③ ratings for rated input voltage -10%

④ SDCS-DSL-4 board as standard

⑤ Continuous rating is 1190 A_{DC} for 35°C and 1140 A_{DC} for 40°C ambient temperature

$$I_{AC \text{ input}} = I_{DC \text{ out}} \cdot 0.82$$