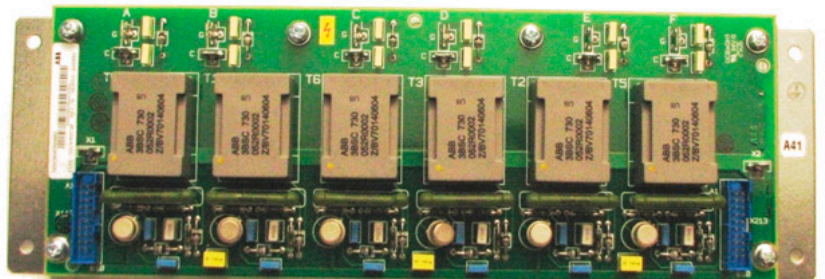
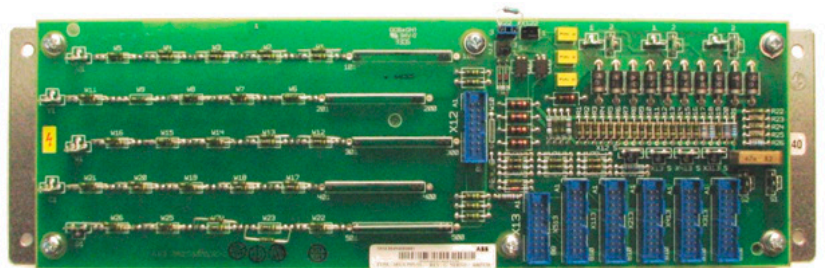


DCS800

Service Manual DCS800 Drives (20 A to 5200 A)



	Inspection cycle	D1-D4+	D5	D6	D7
4. Preventive Replacements					
4.1 Flat cables					
SDCS-CON-4 - SDCS-PIN-4 (X12/X13, X37/X37)	9 years	☐			
SDCS-CON-4 - SDCS-PIN-51 (X12/X13)	9 years		☐	☐	☐
SDCS-CON-4 - SDCS-POW-4	9 years		☐	☐	☐
SDCS-PIN-51 - SDCS-PIN-4x (X113/X213)	9 years		☐	☐	☐
4.2 Boards					
SDCS-POW-4	9 years		☐	☐	☐
SDCS-PIN-4	9 years	☐			
4.3 Fan					
Cooling fan frame size D1 ... D5	6 years	☐	☐		
Cooling fan frame size D6, D7	3 years			☐	☐

Inspect = visual inspection, correction and replacement if needed

Remarks:

Date of inspection:

Name of field service engineer:

Module contains: 2-Q 4-Q

28.00	DCS800-S01-0740-04/05 & DCS800-S02-0820-04/05+S171 (400 V, 525 V)				
DESCRIPTION	2-Q	4-Q	CODE	TYPE / DATA	NOTES
Thyristor modules	3	6	3ADC340099P0001	MT3-595-xxx	TT 570 Nxxx
Semiconductor fuses	3	3	3ADT730004R0015	UR 900 A / 660 V	Screw type fuse
Cooling fan 115 V, 50/60 Hz	1	1	3ADT754012P0001	W2E 200-HH86-14	Cooling fan 115 V (+S171)
Fuses as Enclosed Converter	3	3	DCA0012724P0001	170M6813	Fuses as Enclosed Converter with OESA

Module contains: 2-Q 4-Q

29.00	DCS800-S01-0900-04/05 & DCS800-S02-1000-04/05+S171 (400 V, 525 V)				
DESCRIPTION	2-Q	4-Q	CODE	TYPE / DATA	NOTES
Thyristor modules	3	6	3ADC340099P0001	MT3-595-xxx	TT 570 Nxxx
Semiconductor fuses	3	3	3ADT730004R0016	UR 1250 A / 660 V	Screw type fuse
Cooling fan 115 V, 50/60 Hz	1	1	3ADT754015P0001	W2E250-HL08-09	Cooling fan 115 V (+S171)
Fuses as Enclosed Converter	3	3	3ADV050092P0020	170M6016	Fuses as Enclosed Converter with OESA

Item 29.50**Modules D4+, 1190 A, 400 V and 525 V**

29.50	DCS800-S01-1190-04/05 & DCS800-S02-1190-04/05 (400 V, 525 V)				
DESCRIPTION	2-Q	4-Q	CODE	TYPE / DATA	NOTES
Control board	1	1	3ADT313900R1501	SDCS-CON-4	-
Interface board, no field supply	1	1	3ADT316300R1510	SDCS-PIN-4b	-
Fuses on SDCS-PIN-4b	3	3	3ADC770032P0025	KTK 25	25 A / 600 V
Temperatur Sensor	1	1	3ADT710005P0002	KTY 10-6-M4 / 400 mm	1190 A, cable 400 mm
ErP compliant cooling fan box	1	1	3ADT754042R0001	Box with R2E250-RB	Cooling fan 230 V
Thyristor modules	6	6	3ADC340099P0001	MT3-595-xxx	TT 570 Nxxx
Semiconductor fuses	6	6	3ADC770046P0036	UR 900 A / 690 V	Flush-end contact fuse

Item 30.00 ... 36.00**Modules D5, 900 A ... 2000 A, 400 V, 525 V, 600 V and 690 V**

30.00	Common parts for modules D5, 900 A ... 2000 A				
DESCRIPTION	2-Q	4-Q	CODE	TYPE / DATA	NOTES
Control board	1	1	3ADT313900R1501	SDCS-CON-4	Replaces 3ADT313900R1001
Power supply board	1	1	3ADT315100R1012	SDCS-POW-4-SD	Replaces SDCS-POW-4
Puls transformer board	1	2	3BSE004939R1012	SDCS-PIN-48-SD	Replaces SDCS-PIN-41 / SDCS-PIN-48
Power interface board	1	1	3ADT220090R0006	SDCS-PIN-51	For 230 V _{AC} ... 1000 V _{AC}
Power interface board	1	1	3ADT780007R0010	SDCS-PIN-51-120	For 60 V _{AC} ... 120 V _{AC}
Power Interface board	1	1	3ADT780007R0002	SDCS-PIN-51-1190	For 1190 V _{AC} and for galvanic isolation
Temperatur sensor (R57)	1	1	3ADT710003P0001	KTY 2K-M4-800	-
Current transformer 2500 / 1 A	2	2	3ADT751010P0001	LT2032 2500/1A	T51 / T52 for D5 and D6
ErP compliant cooling fan box	1	1	3ADT754033R0001	Box with R2E250-RB	Cooling fan 230 V. For modules with 'b' in the type: DCS800-S0X-YYYY-ZZ-b.
Classic cooling fan	1	1	3ADT754018P0001	D2E 160-AH02-15	For all modules with a blank or 'a' in the type
Cooling fan marine version	1	1	3ADT754029P0001	D2D 160-BE02-20	Cooling fan 3-ph 400 V (+SMD1)