

CATEGORY

# Service note

## ABB service suitcase for DC drives



Product specific drive service suitcases guarantee access to vital spare parts whenever and wherever they are needed.

Use of a service suitcase on-site may substantially shorten the lead time to troubleshoot a drive failure. It also reduces the time spent for locating the necessary parts and the service material carrying costs associated with traditional inventory maintenance.

01 The DC Drives service suitcase has been developed to guarantee on-site service personnel's access to critical spare parts.

### Benefits

- Shortened response time to start the drive
- Guaranteed access to genuine, factory certified ABB parts
- Compact set of spare parts that is easy to use
- Robust construction to protect electronics during transportation
- Easy to transport, built as trolley version

### Service provided

- Specific set of spare parts fitted into a compact suitcase
- ESD protection for parts
- Detailed content list for easy refill

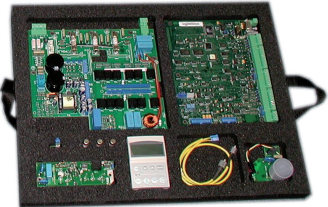
### Available suitcases

| Part number     | Type               | Description                                                                                                                   | Frame size                                                                     |
|-----------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 3ADT200009R0001 | DCS800SUITCASE-2L  | DCS800 suitcase with 2 levels<br>Standard version for DCS800                                                                  | D1 ... D4<br>Fan D1 ... D3                                                     |
| 3ADT200009R0002 | DCS800SUITCASE-3L  | DCS800 suitcase with 3 levels<br>Includes standard version plus one additional tray for electronic boards for sizes D5 ... D7 | D1 ... D4<br>Fan D1 ... D3<br>electronic D5 ... D7                             |
| 3ADT200009R0003 | DCS550SUITCASE     | DCS550 suitcase with 2 levels<br>Standard version for DCS550                                                                  | F1 ... F4<br>Fan F1 ... F3                                                     |
| 3ADT200009R0004 | DCS550-800SUITCASE | DCS550 and DCS800 suitcase with 3 levels<br>Combined content for DCS550 and DCS800                                            | F1 ... F4 for DCS550<br>Fan F1 ... F3<br>D1 ... D4 for DCS800<br>Fan D1 ... D3 |
| 3ADT200009R0005 | DCS880SUITCASE-2L  | DCS880 suitcase with 2 levels<br>Standard version for DCS880                                                                  | H1 ... H5<br>Fan H1 ... H3                                                     |
| 3ADT200009R0006 | DCS880SUITCASE-3L  | DCS880 suitcase with 3 levels<br>Includes standard version plus one additional tray for electronic boards for sizes H5 ... H8 | H1 ... H5<br>Fan H1 ... H3<br>electronics for H5 ... H8                        |

For further information regarding service suitcases visit: [www.online.abb.com](http://www.online.abb.com)

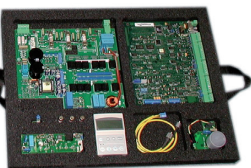
## Content for DC drives suitcases

### DCS800SUITCASE-2L

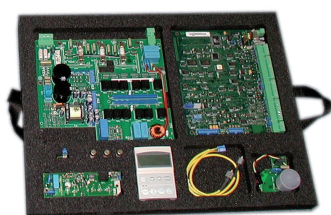
| 3ADT200009R0001                                                                                                                                                      | Part                                              | Quantity |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------|
|   | Control board SDCS-CON-4                          | 1        |
|                                                                                                                                                                      | Power interface board SDCS-PIN-4                  | 1        |
|                                                                                                                                                                      | Communication board SDCS-DSL-4                    | 1        |
|                                                                                                                                                                      | Communication board SDCS-COM-81                   | 1        |
|                                                                                                                                                                      | Control Panel Adapter                             | 1        |
|                                                                                                                                                                      | DCS Control Panel                                 | 1        |
|                                                                                                                                                                      | Thyristor module frame size D1: 20 ... 50 A       | 2        |
|                                                                                                                                                                      | Thyristor module frame size D1: 65 ... 75 A       | 2        |
|                                                                                                                                                                      | Thyristor module frame size D1: 65 ... 100 A      | 2        |
|                                                                                                                                                                      | Thyristor module frame size D1, D2: 125 ... 200 A | 2        |
|                                                                                                                                                                      | Thyristor module frame size D2: 225 ... 260 A     | 2        |
|                                                                                                                                                                      | Thyristor module frame size D3: 315 ... 400 A     | 2        |
|                                                                                                                                                                      | Thyristor module frame size D3: 470 ... 520 A     | 2        |
|                                                                                                                                                                      | Thyristor module frame size D4: 610 ... 680 A     | 2        |
|                                                                                                                                                                      | Thyristor module frame size D4: 740 ... 1000 A    | 2        |
|                                                                                                                                                                      | Thyristor-diode module for field exciter          | 2        |
|                                                                                                                                                                      | Temperature sensor, cable length 250 mm           | 1        |
|                                                                                                                                                                      | Temperature sensor, cable length 400 mm           | 1        |
|                                                                                                                                                                      | Fuse for SDCS-PIN-4                               | 3        |
|                                                                                                                                                                      | Fan for frame sizes D1 ... D3                     | 2        |
|                                                                                                                                                                      | Thermal compound                                  | 1        |
|                                                                                                                                                                      | ESD protection                                    | 1        |

Version includes an empty tray for individual purposes.

### DCS800SUITCASE-3L

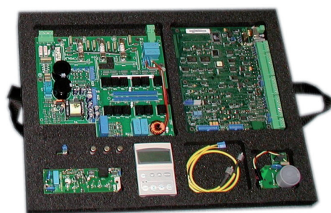
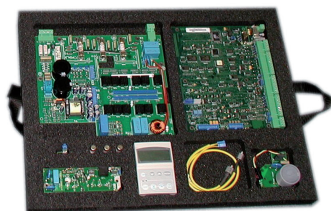
| 3ADT200009R0002                                                                                                                                                                                                                                             | Part                                              | Quantity |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------|
|    | Control board SDCS-CON-4                          | 1        |
|                                                                                                                                                                                                                                                             | Power interface board SDCS-PIN-4                  | 1        |
|                                                                                                                                                                                                                                                             | Communication board SDCS-DSL-4                    | 1        |
|                                                                                                                                                                                                                                                             | Communication board SDCS-COM-81                   | 1        |
|                                                                                                                                                                                                                                                             | Control Panel Adapter                             | 1        |
|                                                                                                                                                                                                                                                             | DCS Control Panel                                 | 1        |
|                                                                                                                                                                                                                                                             | Power supply board SDCS-POW-4                     | 1        |
|                                                                                                                                                                                                                                                             | Measuring board SDCS-PIN-51                       | 1        |
|                                                                                                                                                                                                                                                             | Pulstransformer board SDCS-PIN-48                 | 1        |
|                                                                                                                                                                                                                                                             | Pulstransformer board SDCS-PIN-46                 | 1        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D1: 20 ... 50 A       | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D1: 65 ... 75 A       | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D1: 65 ... 100 A      | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D1, D2: 125 ... 200 A | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D2: 225 ... 260 A     | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D3: 315 ... 400 A     | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D3: 470 ... 520 A     | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D4: 610 ... 680 A     | 2        |
|                                                                                                                                                                                                                                                             | Thyristor module frame size D4: 740 ... 1000 A    | 2        |
|                                                                                                                                                                                                                                                             | Thyristor-Diode module for field exciter          | 2        |
|                                                                                                                                                                                                                                                             | Temperature sensor, cable length 250 mm           | 1        |
|                                                                                                                                                                                                                                                             | Temperature sensor, cable length 400 mm           | 1        |
|                                                                                                                                                                                                                                                             | Fuse for SDCS-PIN-4                               | 3        |
|                                                                                                                                                                                                                                                             | Fan for frame sizes D1 ... D3                     | 2        |
|                                                                                                                                                                                                                                                             | Thermal compound                                  | 1        |
|                                                                                                                                                                                                                                                             | ESD protection                                    | 1        |

Pictures are to be seen exemplary.

**DCS550SUITCASE****3ADT200009R0003**

| Part                                              | Quantity |
|---------------------------------------------------|----------|
| Control board SDCS-CON-F01                        | 1        |
| Power interface board SDCS-PIN-F01                | 1        |
| DCS Control Panel                                 | 1        |
| Field exciter SDCS-BAB-F01                        | 1        |
| Field exciter SDCS-BAB-F02                        | 1        |
| Thyristor module frame size F1: 20 ... 50 A       | 2        |
| Thyristor module frame size F1: 65 ... 100 A      | 2        |
| Thyristor module frame size F1, F2: 125 ... 200 A | 2        |
| Thyristor module frame size F2: 225 ... 260 A     | 2        |
| Thyristor module frame size F2: 270 ... 300 A     | 2        |
| Thyristor module frame size F3: 315 ... 400 A     | 2        |
| Thyristor module frame size F3: 470 ... 520 A     | 2        |
| Thyristor module frame size F4: 610 ... 680 A     | 2        |
| Thyristor module frame size F4: 740 ... 1000 A    | 2        |
| Temperature sensor, cable length 250 mm           | 1        |
| Temperature sensor, cable length 400 mm           | 1        |
| Fuse for SDCS-BAB-F02                             | 3        |
| Fuse for SDCS-PIN-F01                             | 3        |
| Fan for frame size F1                             | 1        |
| Fan for frame sizes F2 ... F3                     | 1        |
| Thermal compound                                  | 1        |
| ESD protection                                    | 1        |

Version includes an empty tray for individual purposes.

**DCS550-800SUITCASE****3ADT200009R0004**

| Part                                                      | Quantity |
|-----------------------------------------------------------|----------|
| Control board SDCS-CON-4                                  | 1        |
| Power interface board SDCS-PIN-4                          | 1        |
| Communication board SDCS-DSL-4                            | 1        |
| Communication board SDCS-COM-81                           | 1        |
| Control Panel Adapter                                     | 1        |
| DCS Control Panel                                         | 2        |
| Control board SDCS-CON-F01                                | 1        |
| Power interface board SDCS-PIN-F01                        | 1        |
| Field exciter SDCS-BAB-F01                                | 1        |
| Field exciter SDCS-BAB-F02                                | 1        |
| Thyristor module frame size D1, F1: 20 ... 50 A           | 2        |
| Thyristor module frame size D1, F1: 65 ... 100 A          | 2        |
| Thyristor module frame size D1, D2, F1, F2: 125 ... 200 A | 2        |
| Thyristor module frame size D2, F2: 225 ... 260 A         | 2        |
| Thyristor module frame size F2: 270 ... 300 A             | 2        |
| Thyristor module frame size F2: 315 ... 400 A             | 2        |
| Thyristor module frame size D3, F3: 470 ... 520 A         | 2        |
| Thyristor module frame size D3, F3: 470 ... 520 A         | 2        |
| Thyristor module frame size D4, F4: 610 ... 680 A         | 2        |
| Thyristor module frame size D4, F4: 740 ... 1000 A        | 2        |
| Thyristor-diode module for field exciter                  | 1        |
| Temperature sensor, cable length 250 mm                   | 1        |
| Temperature sensor, cable length 400 mm                   | 1        |
| Fuse for SDCS-BAB-F02                                     | 3        |
| Fuse for SDCS-PIN-4 and SDCS-PIN-F01                      | 3        |
| Fan for frame size F1                                     | 1        |
| Fan for frame sizes D1 ... D3 and F2 ... F3               | 1        |
| Thermal compound                                          | 1        |
| ESD protection                                            | 1        |

Pictures are to be seen exemplary.

**DCS880SUITCASE-2L****3ADT200009R0005**

| Part                                               | Quantity |
|----------------------------------------------------|----------|
| Control Unit DCS880                                | 1        |
| Power interface board SDCS-PIN-H01                 | 1        |
| MM-Module incl. Firmware                           | 1        |
| Control Panel DCx880                               | 1        |
| Bridge adaption board SDCS-BAB-F01                 | 1        |
| Bridge adaption board SDCS-BAB-F02                 | 1        |
| Thyristor module frame size H1: 20 ... 50 A        | 2        |
| Thyristor module frame size H1: 65 ... 75 A        | 2        |
| Thyristor module frame size H1, H2: 90 ... 200 A   | 2        |
| Thyristor module frame size H2: 225 ... 250 A      | 2        |
| Thyristor module frame size H2: 270 ... 300 A      | 2        |
| Thyristor module frame size H3: 315 ... 450 A      | 2        |
| Thyristor module frame size H3: 470 ... 520 A      | 2        |
| Thyristor module frame size H4: 610 ... 680 A      | 2        |
| Thyristor module frame size H4, H5: 740 ... 1190 A | 2        |
| Temperature sensor, cable length 250 mm H1, H2     | 1        |
| Temperature sensor, cable length 400 mm H3 ... H5  | 1        |
| Fuse for SDCS-PIN-H01                              | 3        |
| Fuse for SDCS-BAB-F02 H4                           | 3        |
| Fan for frame size H2, H3                          | 1        |
| Fan for frame size H1, H3                          | 1        |
| Thermal compound                                   | 1        |
| ESD protection                                     | 1        |

Version includes an empty tray for individual purposes.

**DCS880SUITCASE-3L****3ADT200009R0006**

| Part                                               | Quantity |
|----------------------------------------------------|----------|
| Control Unit DCS880                                | 1        |
| Power interface board SDCS-PIN-H01                 | 1        |
| Power supply board SDCS-POW-H01                    | 1        |
| Measuring board SDCS-PIN-H51                       | 1        |
| Pulstransformer board SDCS-PIN-H41                 | 1        |
| DCS-Link board SDCS-DSL-H10 H5, H6                 | 1        |
| DCS-Link board SDCS-DSL-H12 H7, H8                 | 1        |
| Optical power link board SDCS-OPL-H01 H7, H8       | 1        |
| MM-Module incl. Firmware                           | 1        |
| Control Panel DCx880                               | 1        |
| Bridge adaption board SDCS-BAB-F01                 | 1        |
| Bridge adaption board SDCS-BAB-F02                 | 1        |
| Thyristor module frame size H1: 20 ... 50 A        | 2        |
| Thyristor module frame size H1: 65 ... 75 A        | 2        |
| Thyristor module frame size H1, H2: 90 ... 200 A   | 2        |
| Thyristor module frame size H2: 225 ... 250 A      | 2        |
| Thyristor module frame size H2: 270 ... 300 A      | 2        |
| Thyristor module frame size H3: 315 ... 450 A      | 2        |
| Thyristor module frame size H3: 470 ... 520 A      | 2        |
| Thyristor module frame size H4: 610 ... 680 A      | 2        |
| Thyristor module frame size H4, H5: 740 ... 1190 A | 2        |
| Temperature sensor, cable length 250mm H1, H2      | 1        |
| Temperature sensor, cable length 400mm H3 ... H5   | 1        |
| Fuse for SDCS-PIN-H01                              | 3        |
| Fuse for SDCS-BAB-F02 H4                           | 3        |
| Fan for frame size H2, H3                          | 1        |
| Fan for frame size H1, H3                          | 1        |
| Thermal compound                                   | 1        |
| ESD protection                                     | 1        |

Pictures are to be seen exemplary.

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[www.online.abb.com](http://www.online.abb.com)  
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[www.abb.com/drivespartners](http://www.abb.com/drivespartners)

