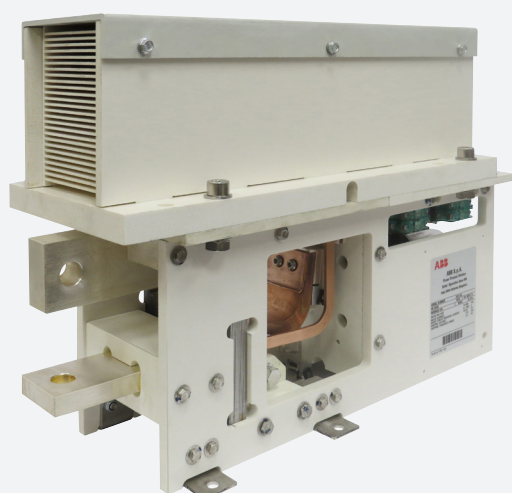


DISTRIBUTION SOLUTIONS

# DCBreak

## Rolling Stock High Speed Direct Current circuit breaker

### Spare parts kits



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# 1 References

## 1.1 Product manual

This document must be read in conjunction with DCBreak instructions for installation, service and maintenance 1VCD601427.

## 1.2 Certification levels

ABB, according to the “Training and certification policy for ELDS” defines the following certification levels for each spare parts kit:

### 1.2.1 Level 1-2

Parts that can be replaced directly by customers, as per the “Training and certification policy for ELDS Service”, according to the relevant instructions.

### 1.2.2 Level 3

Parts that can be replaced by sending the equipment/unit to repair at our factory or delivered only when ordered with intervention of appropriately qualified personnel ABB Service with a certificate of participation in the training of Level 3 in our “Training Center” according to the “Training and certification policy for ELDS Service”.

Qualified personnel ABB Service that is defined as:

- Service Technician of ABB SPA ELDS Service in Dalmine (BG), Italy or
- Technician duly trained at level 3 and registered in dedicated ELDS Service Database (i.e. PCS2)

These parts require special tools and specialized knowledge for their replacement. Due to the specific topics explained during the training, written instructions might not be available for all the topics of a L3 training.

If the activities of replacement are performed by NOT Authorized Personnel as described above, ABB S.p.A. shall not grant any warranty on the goods and on the spare parts and ABB S.p.A. shall not be liable, except as provided for by the law, for any direct, special, indirect or consequential damages or losses to people or goods or spare parts such as but not limited to loss of revenue, loss of use, loss of power, costs of capital or costs of replacement power and any kind of damages that the Purchaser should pay to third parties for any reason.

### 1.2.3 Level 4

Parts, that compared to L3, need additional special tools and specific training is required. These parts MUST be replaced by sending the equipment/unit to repair at our factory or delivered to an authorized ABB Service unit.

Those ABB Service unit shall have personnel with a certificate of participation in Level 4 the training provided by our “Training Center” according to the “Training and certification policy for ELDS Service”.

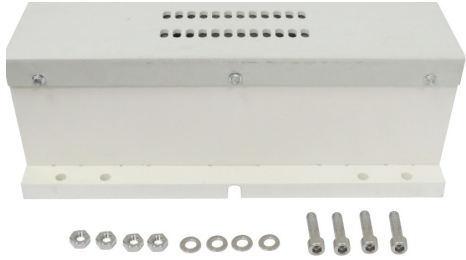
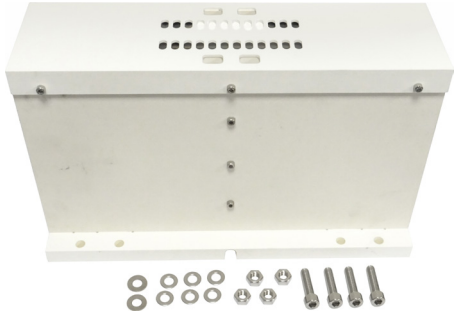
## 2 Spare parts kits for DCBreak

### 2.1 Arc chute

**2.1.1 Certification level required**

L2

**2.1.2 Ordering codes (Service)**

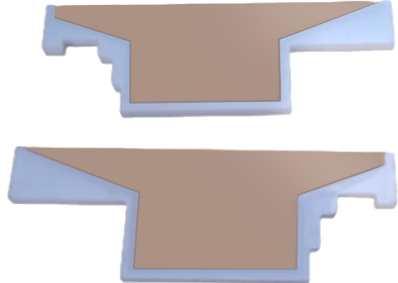
Ordering code	Description	
1VCF439100S0041	Complete arc-chute, set of 1, for DCBreak 915-915B	
1VCF439100S0042	Complete arc-chute, set of 1, for DCBreak 1815-1815B	

### 2.2 Ceramic plates

**2.2.1 Certification level required**

L2

**2.2.2 Ordering codes (Service)**

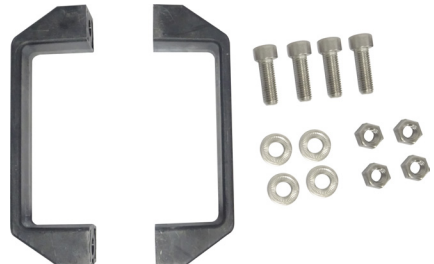
Ordering code	Description	
1VCF439199S0031	Complete arc-chute, set of 1, for DCBreak 915-915B	

### 2.3 Handles for upper box

**2.3.1 Certification level required**

L2

**2.3.2 Ordering codes (Service)**

Ordering code	Description	
1VCF439199S0151	Handles for upper box, set of 2, for DCBreak 915B-1815B	

## 2 Spare parts kits for DCBreak

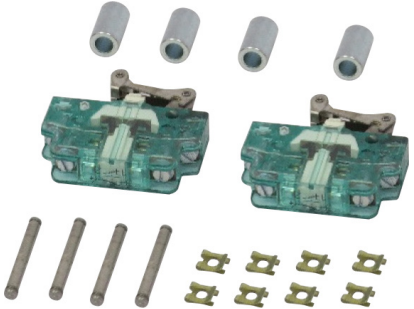
### 2.4 Position switches

#### 2.4.1 Certification level required

L2

#### 2.4.2 Ordering codes (Service)

Ordering code	Description
1VCF439199S0051	Position switches BGB_ of circuit breaker operating mechanism, set of 2, for DCBreak




### 2.5 Socket for auxiliary circuit

#### 2.5.1 Certification level required

L2

#### 2.5.2 Ordering codes (Service)

Ordering code	Description
1VCF439199S0131	Socket with 24 pin without wiring for DCBreak 915B-1815B
1VCF439199S0132	Socket with 28 pin without wiring for DCBreak 915B-1815B
1VCF439199S0133	Socket with 36 pin without wiring for DCBreak 915B-1815B



## 2.6 Plug for auxiliary circuit (DCBreak 915B and 1815B)

### 2.6.1 Certification level required

L2

### 2.6.2 Ordering codes (Service)


Ordering code	Description	
1VCF439100S0201	Plug with 24 pin without wiring for DCBreak 915B-1815B	
1VCF439100S0202	Plug with 28 pin without wiring for DCBreak 915B-1815B	
1VCF439100S0203	Plug with 36 pin without wiring for DCBreak 915B-1815B	

## 2.7 Cable glands (DCBreak 915B and 1815B)

### 2.7.1 Certification level required

L2

### 2.7.2 Ordering codes (Service)

Ordering code	Description	
1VCF439100S0271	Cable glands, set of 2, Ø 11-21 M32 for DCBreak 915B-1815B	
1VCF439100S0272	Cable glands, set of 2, Ø 19-28 M40 for DCBreak 915B-1815B	
1VCF439100S0273	Cable glands, set of 2, Ø 27-35 M50 for DCBreak 915B-1815B	
1VCF439100S0274	Cable glands, set of 2, Ø 35-40 M50 for DCBreak 915B-1815B	

## 2.8 Stopper for cable plate (DCBreak 915B and 1815B)

### 2.8.1 Certification level required

L2

### 2.8.2 Ordering codes (Service)

Ordering code	Description	
1VCF439199S0111	Stopper for cable plate, set of 2, for DCBreak 915B-1815B	


## 2 Spare parts kits for DCBreak

### 2.9 Insulating internal parts for upper box (DCBreak 915B and 1815B)

#### 2.9.1 Certification level required

L2

#### 2.9.2 Ordering codes (Service)

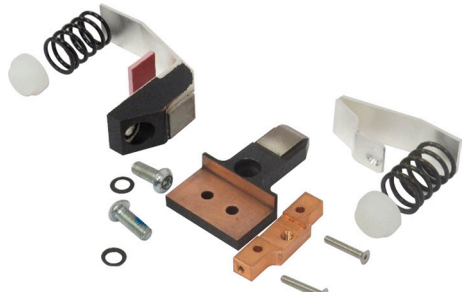
Ordering code	Description	
1VCF439199S0141	Insulating internal parts of upper box for DCBreak 915B	
1VCF439199S0142	Insulating internal parts of upper box for DCBreak 1815B	

### 2.10 Fixed and moving main contact

#### 2.10.1 Certification level required

L2

#### 2.10.2 Ordering codes (Service)


Ordering code	Description	
1VCF439199S0071	Fixed and moving main contact for DCBreak	

### 2.11 Flexible connection

#### 2.11.1 Certification level required

L2

#### 2.11.2 Ordering codes (Service)

Ordering code	Description	
1VCF439199S0081	Flexible connection without main contact for DCBreak	



# Notes

A large grid of small dots for taking notes, consisting of 25 columns and 35 rows.

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**More product information:**  
[www.abb.com/mediumvoltage](http://www.abb.com/mediumvoltage)  
**Your contact center:**  
[www.abb.com/contactcenters](http://www.abb.com/contactcenters)  
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