# ES-BBC-5-3 BK - Connector

1155599

https://www.phoenixcontact.com/us/products/1155599

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The figure shows a 3-position version

Connector, Range of articles: BBC, design: Connector, color: black, number of positions: 1, rated voltage: 1500 V DC, rated current: 120 A, Connection method: Spring connection

## Your advantages

- Quick installation: direct contacting of battery modules on the busbar in the rack
- Safe installation: touch-protected battery terminals even when not plugged in
- Diverse areas of application: modular design allows different currents
- Slide-in system with integrated interface: no wiring effort during installation

## Commercial data

| | |
|---|---|
| Item number | 1155599 |
| Packing unit | 6 pc |
| Minimum order quantity | 6 pc |
| Sales key | AB04 |
| Product key | ABLDAD |
| GTIN | 4063151157609 |
| Weight per piece (including packing) | 141.8 g |
| Weight per piece (excluding packing) | 114.178 g |
| Customs tariff number | 85359000 |
| Country of origin | CN |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Connectors for energy storage |
| Product family | BBC |
| Type | Connector |
| Number of positions | 1 |
| Number of slots | 1 |

Insulation characteristics

| | |
|---|---|
| Degree of pollution | 3 |

### Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 1500 V |
| Rated voltage | 1500 V DC |
| Rated surge voltage | 12 kV |
| Rated surge voltage (III/3) | 12 kV |
| Rated current | 120 A |
| Insulation resistance | ≥ 5 MΩ |

### Dimensions

| | |
|---|---|
| Width | 41 mm |
| Height | 43.9 mm |
| Length | 118 mm |

### Material specifications

| | |
|---|---|
| Color | black |
| Color of the housing part | black |
| Material Housing | PA 6.6 |
| Material Contact | Copper |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Contact surface material | Ni/Sn |

### Cable/line

| | |
|---|---|
| Halogen-free | yes |

### Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | ≥ 25 |
| Insertion force | ≤ 120 N |

### Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 (Not plugged in) |
| Ambient temperature (operation) | -10 °C ... 50 °C |
| Altitude | ≤ 2000 m |

## Mounting

| | |
|---|---|
| Assembly note | Use busbars that are 4 mm thick with rounded edges in accordance with DIN EN 13601. The busbars must be coated (tin-plated, thickness: 8 µm ... 30 µm). |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-15.0 | 27440312 |
| ECLASS-13.0 | 27440312 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002641 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |


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