# Product datasheet

Specifications

Green Premium™

## heavy duty PowerLogic PFC Capacitor, 25/30 kvar - 525 V - 50/60Hz

BLRCH250A300B52

## Main

| | |
|---|---|
| **Range Of Product** | PowerLogic |
| **Product Or Component Type** | Heavy duty capacitor |
| **Network Frequency** | 50/60 Hz |
| **Series Name** | HDuty |
| **Network Harmonic Content** | <= 20 % |
| **Electrical Parameters** | 25 kvar 525 V 50 Hz<br>30 kvar 525 V 60 Hz |
| **Maximum Permissible Voltage** | 1.1 x Un (8 hours over 24 hours) |
| **Continuous Overcurrent Capacity** | 1.8 x In |
| **Rated Voltage** | 525 V AC 50/60 Hz |

## Complementary

| | |
|---|---|
| **Dielectric Losses** | < 0.2 W/kvar |
| **Power Losses** | < 0.5 W/kVAr |
| **Capacitance Tolerance** | - 5 % to 10 % |
| **Voltage Test** | 2.15 x Un AC between terminals for 10 s<br><= 660 V - 3 kV AC between terminal and container for 10 s<br>>= 660 V - 6 kV AC between terminal and container for 10 s |
| **Inrush Current** | 250 x In |
| **Maximum Switching Operation Per Year** | 7000 |
| **Service Life In Hours** | 130000 h |
| **Dielectric Material** | Metallized polypropylene film with Zn/Al alloy, special resistivity & profile, special edge (wave cut) |
| **Impregnation Material** | Non-PCB dry PUR resin<br>Biodegradable |
| **Type Of Installation** | Indoor installation |
| **Connections - Terminals** | ClampTite terminal |
| **Mounting Mode** | Upright/horizontal |
| **Diameter** | 116 mm |
| **Height** | 242 mm |
| **Net Weight** | 2.5 kg |

## Environment

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Standards** | IEC 60831-1<br>IEC 60831-2 |
| **Ip Degree Of Protection** | IP20 |
| **Operating Altitude** | 2000 m |
| **Temperature Class** | D |
| **Ambient Air Temperature For Operation** | -25…55 °C |
| **Relative Humidity** | 95 % |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 19 cm |
| **Package 1 Width** | 19 cm |
| **Package 1 Length** | 31 cm |
| **Package 1 Weight** | 3.057 kg |
| **Unit Type Of Package 2** | S06 |
| **Number Of Units In Package 2** | 15 |
| **Package 2 Height** | 74 cm |
| **Package 2 Width** | 60 cm |
| **Package 2 Length** | 80 cm |
| **Package 2 Weight** | 45.855 kg |
| **Unit Type Of Package 3** | S06 |
| **Number Of Units In Package 3** | 15 |
| **Package 3 Height** | 74 cm |
| **Package 3 Width** | 60 cm |
| **Package 3 Length** | 80 cm |
| **Package 3 Weight** | 45.855 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

- Reach Free Of Svhc
- Toxic Heavy Metal Free
- Mercury Free
- Rohs Exemption Information — Yes

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |