# Product data sheet

Specifications




## heavy duty PowerLogic PFC Capacitor, 33.3/40 kvar - 400 V - 50/60Hz

BLRCH333A400B40

## Main

| | |
|---|---|
| **Range** | PowerLogic |
| **Range of product** | PowerLogic |
| **Product or component type** | Heavy duty capacitor |
| **Product name** | PowerLogic PFC Capacitor |
| **Network frequency** | 50/60 Hz |
| **Series name** | HDuty |
| **Network harmonic content** | <= 20 % |
| **Electrical parameters** | 30.1 kvar 380 V 50 Hz<br>36.1 kvar 380 V 60 Hz<br>33.3 kvar 400 V 50 Hz<br>40 kvar 400 V 60 Hz<br>35.8 kvar 415 V 50 Hz<br>43.1 kvar 415 V 60 Hz |
| **Maximum permissible voltage** | 1.1 x Un (8 hours over 24 hours) |
| **continuous overcurrent capacity** | 1.8 x In |
| **Rated voltage** | 380…415 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** | 136 mm |
| **Height** | 242 mm |

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

| | |
|---|---|
| **Net weight** | 3.2 kg |

## Environment

| | |
|---|---|
| **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** | 19.000 cm |
| **Package 1 Width** | 19.000 cm |
| **Package 1 Length** | 32.000 cm |
| **Package 1 Weight** | 3.865 kg |
| **Unit Type of Package 2** | S06 |
| **Number of Units in Package 2** | 15 |
| **Package 2 Height** | 75.000 cm |
| **Package 2 Width** | 60.000 cm |
| **Package 2 Length** | 80.000 cm |
| **Package 2 Weight** | 59.975 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **60 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **41 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **5 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **7 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **8 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | **Compliant** |
| REACh Regulation | **Free of Substances of Very High Concern above the threshold** |

### Energy efficiency

| | |
|---|---|
| Product contributes to saved and avoided emissions | **Yes** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **20** |
| End of life manual availability | **End of Life Information** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |