

# Product data sheet

Specifications



## heavy duty PowerLogic PFC Capacitor, 40/48 kvar - 440 V - 50/60Hz

BLRCH400A480B44

### 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           | 40 kvar 440 V 50 Hz<br>48 kvar 440 V 60 Hz |
| Maximum permissible voltage     | 1.1 x Un (8 hours over 24 hours)           |
| Continuous overcurrent capacity | 1.8 x In                                   |
| Rated voltage                   | 440 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                               | 321 mm   |
| Product weight                       | 4.1 kg   |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Standards                             | IEC 60831-1<br>IEC 60831-2 |
| IP degree of protection               | IP00                       |
| 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             | 37 cm    |
| Package 1 Width              | 18 cm    |
| Package 1 Length             | 18 cm    |
| Package 1 Weight             | 4.92 kg  |
| Unit Type of Package 2       | S06      |
| Number of Units in Package 2 | 12       |
| Package 2 Height             | 74 cm    |
| Package 2 Width              | 60 cm    |
| Package 2 Length             | 80 cm    |
| Package 2 Weight             | 59.04 kg |
| Unit Type of Package 3       | S06      |
| Number of Units in Package 3 | 12       |
| Package 3 Height             | 74 cm    |
| Package 3 Width              | 60 cm    |
| Package 3 Length             | 80 cm    |
| Package 3 Weight             | 59.04 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

Warranty18 months

Recommended replacement(s)