

Product datasheet

Specifications



heavy duty PowerLogic PFC Capacitor, 22.7/27.2 kvar - 480V - 50/60Hz

BLRCH227A272B48

Main

| | |
|---------------------------------|--|
| Range of product | PowerLogic |
| Product or component type | Heavy duty capacitor |
| Network frequency | 50/60 Hz |
| Series name | HDuty |
| Network harmonic content | $\leq 20\%$ |
| Electrical parameters | 22.7 kvar 480 V 50 Hz 27.2 kvar 480 V 60 Hz |
| Maximum permissible voltage | $1.1 \times U_n$ (8 hours over 24 hours) |
| Continuous overcurrent capacity | $1.8 \times I_n$ |
| Rated voltage | 480 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 | $2.15 \times U_n$ AC between terminals for 10 s ≤ 660 V - 3 kV AC between terminal and container for 10 s ≥ 660 V - 6 kV AC between terminal and container for 10 s |
| Inrush current | $250 \times I_n$ |
| 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 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

| | |
|---------------------------------------|----------------------------|
| Standards | IEC 60831-1 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 | 28.0 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 18.0 cm |
| Package 1 Weight | 3.0 kg |
| Unit Type of Package 2 | S06 |
| Number of Units in Package 2 | 15 |
| Package 2 Height | 75 cm |
| Package 2 Width | 60 cm |
| Package 2 Length | 80 cm |
| Package 2 Weight | 58 kg |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Recommended replacement(s)