

# Product data sheet

Specifications



## heavy duty PowerLogic PFC Capacitor, 27.6/33.1 kvar - 690 V - 50/60Hz

BLRCH276A331B69

### 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           | 27.6 kvar 690 V 50 Hz<br>33.1 kvar 690 V 60 Hz |
| Maximum permissible voltage     | 1.1 x Un (8 hours over 24 hours)               |
| continuous overcurrent capacity | 1.8 x In                                       |
| Rated voltage                   | 690 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                                                                                                                                                              |
| Net weight                           | 3.2 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 60831-2<br>IEC 60831-1 |
| 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             | 57.5 cm |
| Package 1 Width              | 53.5 cm |
| Package 1 Length             | 73.5 cm |
| Package 1 Weight             | 3.2 kg  |

## Contractual warranty

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

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                               |                                               |
|-------------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 59                                            |
| Environmental Disclosure                              | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances          |                                   |
|-----------------------------------|-----------------------------------|
| <a href="#">EU RoHS Directive</a> | Compliant                         |
| REACH Regulation                  | <a href="#">REACH Declaration</a> |

| Energy efficiency                                  |     |
|----------------------------------------------------|-----|
| Product contributes to saved and avoided emissions | Yes |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Take-back                | No                                                                                                                                                                                                              |