

# Product datasheet

Specifications



## active harmonic filter EasyLogic APF module 50A, 400V, wall- mounted, IP31

EZAPF05044W31

### Main

|                           |                                |
|---------------------------|--------------------------------|
| Range                     | EasyLogic                      |
| Product name              | EasyLogic APF                  |
| Product or component type | Active harmonic filter         |
| Network number of phases  | 3 phases<br>3 phases + neutral |
| nominal output current    | 50 A                           |

### Complementary

|                               |                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Network configuration         | 3 or 4 wires                                                                                                                      |
| Network rated voltage         | 240...460 V AC                                                                                                                    |
| Network frequency             | 50 Hz +/- 3 Hz auto sensing<br>60 Hz +/- 3 Hz auto sensing                                                                        |
| Maximum permissible voltage   | 1.15 x Un                                                                                                                         |
| Operating mode                | Phase harmonic correction<br>Neutral harmonic correction up to 300% unit rating<br>Power factor correction<br>Main load balancing |
| THDI                          | 5 %                                                                                                                               |
| Reactive power rating         | 36 kvar 415 V AC                                                                                                                  |
| Type of installation          | Indoor installation                                                                                                               |
| Mounting mode                 | Wall-mounted                                                                                                                      |
| Heat dissipation              | With forced ventilation                                                                                                           |
| Electromagnetic compatibility | Electromagnetic emission class A conforming to EN/IEC 61000-6-4<br>Electromagnetic immunity conforming to EN/IEC 61000-6-2        |
| Accessibility for operation   | Front                                                                                                                             |
| Location of connection        | Side                                                                                                                              |
| Net weight                    | 32 kg                                                                                                                             |
| Height                        | 835 mm                                                                                                                            |
| Width                         | 600 mm                                                                                                                            |
| Depth                         | 210 mm                                                                                                                            |
| Colour                        | Grey (Pantone 1C)                                                                                                                 |

### 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

|                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental characteristic          | Operating: 3C2 conforming to IEC 60721-3-3<br>Operating: 3S6 conforming to IEC 60721-3-3<br>Storage: 3C3 conforming to IEC 60721-3-3<br>Storage: 3S7 conforming to IEC 60721-3-3 |
| IP degree of protection               | IP31                                                                                                                                                                             |
| Operating altitude                    | <= 1500 m                                                                                                                                                                        |
| Ambient air temperature for operation | -10...40 °C                                                                                                                                                                      |
| Derating factor                       | 1 % per 100 m 40...45 °C > 1500...3700 m<br>90 % of In 40...45 °C<br>80 % of In 45...50 °C                                                                                       |
| Relative humidity                     | 0...90 %                                                                                                                                                                         |
| PCBA protection                       | Conformal coated                                                                                                                                                                 |
| Standards                             | IEC 62477-1<br>EN 61000-6-2<br>EN 61000-6-4<br>IEEE 519-2014<br>ISO 9001                                                                                                         |
| Product certifications                | CE                                                                                                                                                                               |
| Ambient air temperature for storage   | -20...70 °C                                                                                                                                                                      |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 21.000 cm |
| Package 1 Width              | 60.000 cm |
| Package 1 Length             | 83.400 cm |
| Package 1 Weight             | 31.499 kg |

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                                                                          | 62056                                         |
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |

Use Better

|  Materials and Substances |                                    |
|------------------------------------------------------------------------------------------------------------|------------------------------------|
| Packaging made with recycled cardboard                                                                     | No                                 |
| Packaging without single use plastic                                                                       | No                                 |
| <a href="#">EU RoHS Directive</a>                                                                          | Compliant with Exemptions          |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a>  |
| Halogen-free status                                                                                        | Halogen free plastic parts product |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability                                                                              | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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 |

Technical Illustration

Dimensions

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