# Product data sheet
## Characteristics

# ABL8FEQ24150
rectified and filtered power supply - 1 or 2-phase - 400 V AC - 24 V - 15 A

## Main

| | |
|---|---|
| Range of product | Phaseo Rectified |
| Product or component type | Power supply |
| Power supply type | Rectified and filtered |
| Rated power in W | 360 W |
| Nominal input voltage | 230 V AC single phase, terminal(s): N-L1<br>400 V AC phase to phase, terminal(s): L1-L2 |
| Output voltage | 24 V DC |
| Power supply output current | 15 A |
| Anti-harmonic filter | Low frequency harmonic currents |
| Product certifications | EAC<br>KC<br>CULus<br>UL 508 |

## Complementary

| | |
|---|---|
| Network frequency limits | 47…63 Hz |
| Input voltage limits | 360...440 V<br>207...253 V |
| Power Factor | 0.663 at 400 V<br>0.693 at 230 V |
| Efficiency | 80 % |
| Power dissipation in W | 72 W |
| Output coupling | Series<br>Parallel |
| Output protection type | Against overvoltage, protection technology: 2 J peak limiter<br>Against overload and short-circuits, protection technology: external fuse, 20 A |
| Hold-up time | 14 ms |
| Status LED | 1 LED (green)output voltage<br>1 LED (orange)input voltage |

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

| | |
|---|---|
| Residual ripple | <= 1200 MV |
| Connections - terminals | For input connection: screw type terminals, connection capacity: 5 x 2.5...5 x 4 mm² AWG 14...AWG 11<br>For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm² AWG 14...AWG 11<br>For output connection: screw type terminals, connection capacity: 4 x 4 mm² AWG 11 |
| Depth | 138 mm |
| Height | 185 mm |
| Width | 135 mm |
| Net weight | 8.82 kg |
| Compatibility code | ABL8F |

## Environment

| | |
|---|---|
| IP degree of protection | IP20 conforming to EN/IEC 60529 |
| Ambient air temperature for operation | -20…60 °C |
| Ambient air temperature for storage | -40…80 °C |
| Relative humidity | 0…95 % without condensation or dripping water |
| Operating altitude | 3000 m |
| Safety class | Class I conforming to VDE 0106-1 |
| Dielectric strength | 2000 V between input and ground<br>4600 V between input and output<br>500 V between output and ground |
| Other environmental characteristic | EMC conforming to IEC 62041<br>Safety conforming to EN/IEC 61558-2-6<br>Safety conforming to UL 508<br>Safety conforming to UL 60950-1<br>EMC conforming to EN/IEC 61000-3-2 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 10.203 kg |
| Package 1 Height | 16.5 cm |
| Package 1 width | 32.5 cm |
| Package 1 Length | 37 cm |
| Package 2 Weight | 130.936 kg |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| PVC free | Yes |

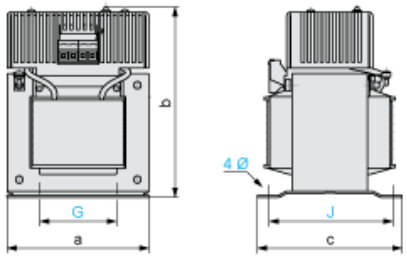
## Contractual warranty

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

# Product data sheet
## Dimensions Drawings

ABL8FEQ24150

## Dimensions




Dimensions in mm

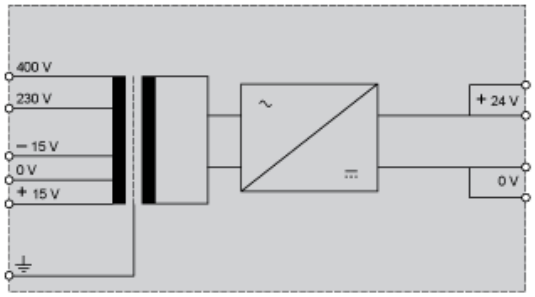
| a | b | c | G | J | Ø |
|---|---|---|---|---|---|
| 135 | 185 | 138 | 105 | 125 | 6.5 |

Dimensions in in.

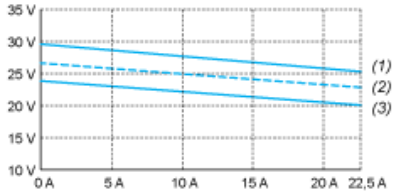
| a | b | c | G | J | Ø |
|---|---|---|---|---|---|
| 5.31 | 7.28 | 5.43 | 4.13 | 4.92 | 0.25 |

# ABL8FEQ24150

## Internal Wiring Diagram



## Load Limits Curve




(1) Nominal line supply + 10%
(2) Nominal line supply
(3) Nominal line supply - 10%