

Main

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|-----------------------------|---|
| Range of product | Modicon Rectified |
| Product or component type | Power supply |
| Power supply type | Rectified and filtered |
| Rated power in W | 48 W |
| Input voltage | 230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2 |
| Output voltage | 24 V DC |
| Power supply output current | 2 A |
| Anti-harmonic filter | Low frequency harmonic currents |
| Product certifications | CULus KC EAC UL 508 |

Complementary

| | |
|--------------------------|--|
| Network frequency limits | 47...63 Hz |
| Input voltage limits | 207...253 V 360...440 V |
| Cos phi | 0.737 at 230 V 0.863 at 400 V |
| Efficiency | 75 % |
| Power dissipation in W | 12 W |
| Output coupling | Parallel Series |
| Output protection type | Against overload and short-circuits, protection technology: internal-fuse, 2 A, 5 x 20 mm, T curve Against overvoltage, protection technology: 2 J peak limiter |
| Holding time | 14 ms |
| Status LED | 1 LED (green) output voltage 1 LED (orange) input voltage |
| Residual ripple | <= 1200 mV |
| Connections - terminals | For input connection: screw type terminals, connection capacity: 5 x 2.5...5 x 4 mm ² AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm ² AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 4 x 2.5...4 x 4 mm ² AWG 14...AWG 11 |
| Depth | 141.0 Mm |

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|--------------------|---------|
| Height | 108 Mm |
| Width | 87 Mm |
| Net weight | 2.02 Kg |
| Compatibility code | ABL8F |







Environment

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|---------------------------------------|---|
| 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 |
| Vibration resistance | 0.05 mm (f= 47...57 Hz) conforming to IEC 60068-1 0.7 gn (f= 13.9...47 Hz) conforming to IEC 60068-1 1 gn (f= 57...150 Hz) conforming to IEC 60068-1 1 mm (f= 3...13.9 Hz) conforming to IEC 60068-1 |
| Electrical shock protection class | Class I conforming to VDE 0106-1 |
| Dielectric strength | 2000 V between input and ground 4600 V between input and output 500 V between output and ground |
| Environmental characteristic | EMC conforming to IEC 62041 Safety conforming to EN/IEC 61558-2-6 Safety conforming to UL 508 Safety conforming to UL 60950-1 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 | 2.342 Kg |
| Package 1 Height | 11.5 Cm |
| Package 1 width | 18.8 Cm |
| Package 1 Length | 25.8 Cm |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 30 |
| Package 2 Weight | 83.26 Kg |
| Package 2 Height | 73.5 Cm |
| Package 2 width | 60.0 Cm |
| Package 2 Length | 80.0 Cm |

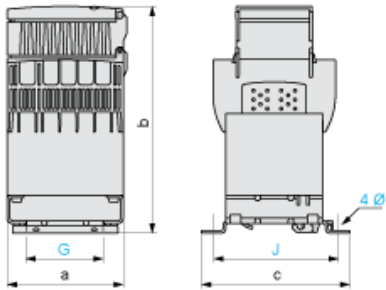
Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  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

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

Dimensions



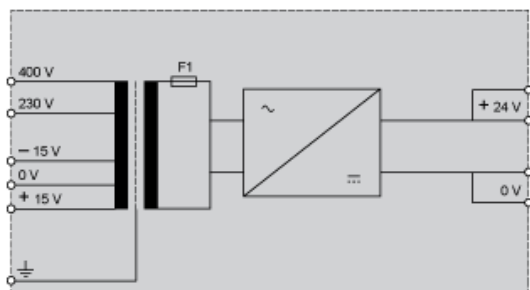
Dimensions in mm

| a | b | c | G | J | Ø |
|----|-----|-----|----|----|-----|
| 87 | 142 | 108 | 60 | 96 | 5.5 |

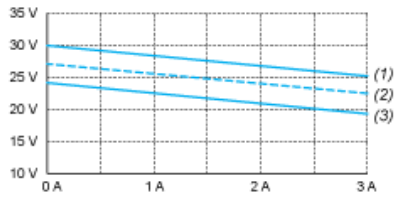
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 3.42 | 5.59 | 4.25 | 2.36 | 3.78 | 0.22 |

Internal Wiring Diagram



Load Limits Curve



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

Product Life Status : **Commercialised**