



Main

| | |
|-----------------------------|---|
| Range of product | Modicon Rectified |
| Product or component type | Power supply |
| Power supply type | Rectified and filtered |
| Rated power in W | 480 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 | 20 A |
| Anti-harmonic filter | Low frequency harmonic currents |
| Product certifications | UL 508 CULus KC EAC |

Complementary

| | |
|--------------------------|---|
| Network frequency limits | 47...63 Hz |
| Input voltage limits | 360...440 V 207...253 V |
| Cos phi | 0.671 at 400 V 0.698 at 230 V |
| Efficiency | 80 % |
| Power dissipation in W | 96 W |
| Output coupling | Series Parallel |
| Output protection type | Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 25 A |
| Holding time | 10 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 4 mm ² AWG 11 |
| Depth | 217.0 Mm |
| Height | 128.0 Mm |

| | |
|--------------------|----------|
| Width | 174.0 Mm |
| Net weight | 13.32 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 |
| 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 | 14.32 Kg |
| Package 1 Height | 25.7 Cm |
| Package 1 width | 34.8 Cm |
| Package 1 Length | 35.3 Cm |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 4 |
| Package 2 Weight | 65.78 Kg |
| Package 2 Height | 50.0 Cm |
| Package 2 width | 80.0 Cm |
| Package 2 Length | 60.0 Cm |

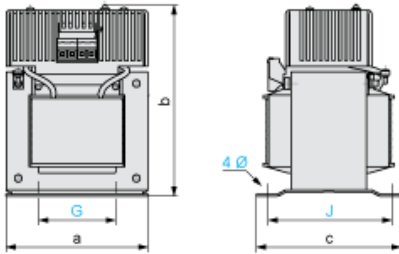
Offer Sustainability

| | |
|----------------------------|--|
| 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

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

Dimensions



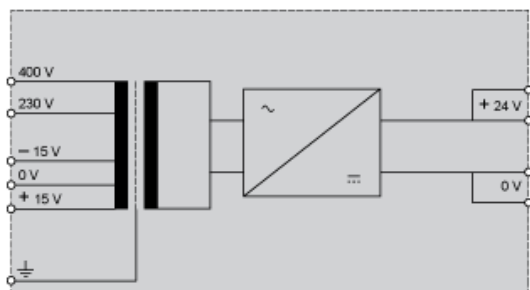
Dimensions in mm

| a | b | c | G | J | Ø |
|-----|-----|-----|-----|-----|-----|
| 175 | 215 | 128 | 135 | 105 | 6.5 |

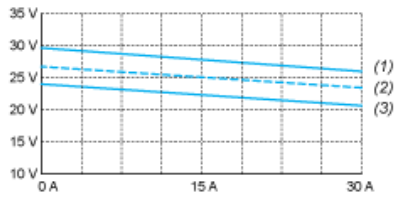
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 6.89 | 8.46 | 5.04 | 5.31 | 4.13 | 0.25 |

Internal Wiring Diagram



Load Limits Curve



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

Product Life Status : **Commercialised**