



Main

| | |
|-----------------------------|---|
| Range of product | Easy Modicon ABL2 |
| Product or component type | Power supply |
| Power supply type | Regulated switch mode |
| Rated power in W | 252 W |
| Input voltage | 100...120 V AC single phase 200...240 V |
| Output voltage | 24 V DC |
| Power supply output current | 10.5 A |
| Operating position | Any position |
| Vibration resistance | 4 gn (f= 10...500 Hz) conforming to EN/IEC 61131-2 |
| Name of test | Electromagnetic hypersensitivity (EHS) conforming to EN 61000-6-2 level A |

Complementary

| | |
|--------------------------|--|
| Input voltage limits | 90...132 V 180...264 V |
| Network frequency | 47...63 Hz |
| Inrush current | 60 A at 100...120 V AC 60 A at 200...240 V AC |
| Cos phi | 0.5 |
| Efficiency | 87 % |
| Power dissipation in W | 37.6 W |
| Current consumption | 2.5 A at 240 V |
| Input protection type | Integrated fuse (not interchangeable) |
| Output voltage limits | 20.4...27.6 V |
| Line and load regulation | +/- 1 % |
| Holding time | >= 12 ms at 115 V |
| Output protection type | Against overload, protection technology: 1.1...1.5 x In Against short-circuits, protection technology: 1.1...1.5 x In Against overvoltage, protection technology: 1.1...1.5 x In Thermal, protection technology: 1.1...1.5 x In |
| Connections - terminals | For ground connection: screw type terminals, connection capacity: 1 x 4 mm ² AWG 12 |
| Marking | CE |

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

| | |
|---------------------------------|---|
| Electromagnetic compatibility | Immunity to electromagnetic interference conforming to EN 55022 class B |
| Mounting support | DIN rail with accessory DIN rail with accessory |
| Operating altitude | 5000 m |
| Output coupling | Series |
| Overvoltage category | II |
| Meantime between failure [MTBF] | 600000 h at 25 °C |
| Status LED | 1 LED (green)output voltage |
| Width | 215 mm |
| Height | 115 mm |
| Depth | 30 mm |
| Net weight | 0.75 kg |

Environment

| | |
|---------------------------------------|---|
| Product certifications | EAC RoHS |
| IP degree of protection | IP20 conforming to IEC 62368-1 |
| Ambient air temperature for operation | -30...70 °C (with power derating of 2.5 % per °C) |
| Ambient air temperature for storage | -40...85 °C |
| Relative humidity | 10...95 % |
| Overvoltage category | Class I conforming to IEC 62368-1 |
| Pollution degree | 2 |
| Dielectric strength | 2000 V between input and ground |

Packing Units

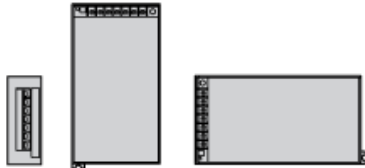
| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 850 g |
| Package 1 Height | 3.6 cm |
| Package 1 width | 12.3 cm |
| Package 1 Length | 22.2 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 21 |
| Package 2 Weight | 17.75 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 252 |
| Package 3 Weight | 221.5 kg |
| Package 3 Height | 90 cm |
| Package 3 width | 60 cm |
| Package 3 Length | 80 cm |

Offer Sustainability

| | |
|----------------------------|---|
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| 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 |

Mounting and Clearance

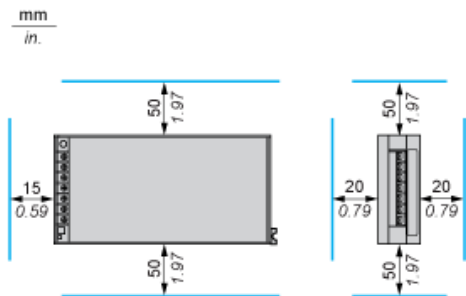
Vertical Mounting



Horizontal Mounting

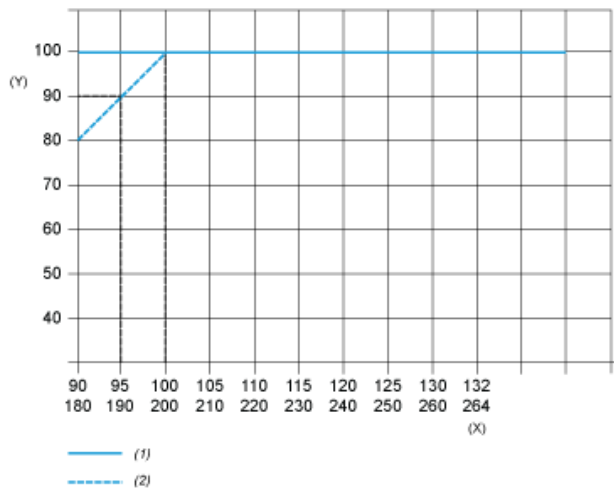


Clearance



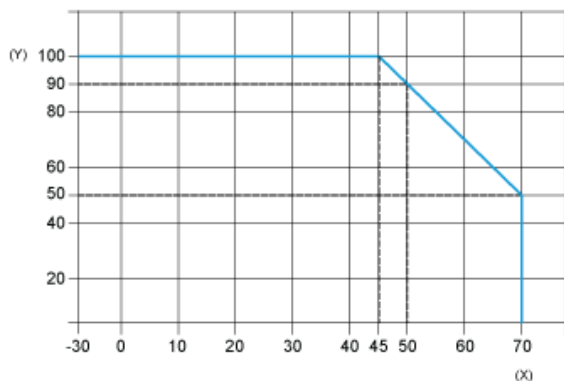
Performance Curves

Static Characteristics



- (1) 180 - 264 VAC
- (2) 90 - 132 VAC
- (y) Load %
- (x) Input voltage (VAC) 50/60 Hz

Derating Curve



- (y) Load %
- (x) Ambient temperature (°C)