

# Product data sheet

Specifications



single phase power supply,  
100...240V input, 24V DC output,  
156W, 6,5A

ABL2REM24065K

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Range of Product            | Easy Modicon ABL2                                                          |
| Product or Component Type   | Power supply                                                               |
| Power supply type           | Regulated switch mode                                                      |
| Rated power in W            | 156 W                                                                      |
| Main Input Voltage          | 100...120 V AC single phase<br>200...240 V                                 |
| Output voltage              | 24 V DC                                                                    |
| Power supply output current | 6.5 A                                                                      |
| Operating position          | Any position                                                               |
| Vibration resistance        | 4 gn (f= 10...500 Hz) conforming to IEC 61131-2                            |
| Name of test                | Electromagnetic hypersensitivity (EHS) conforming to IEC 61000-6-2 level A |

## Complementary

|                               |                                                                                                                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits          | 176...264 V<br>88...132 V                                                                                                                                                                        |
| Network Frequency             | 47...63 Hz                                                                                                                                                                                       |
| Inrush current                | 60 A at 100...120 V AC<br>60 A at 200...240 V AC                                                                                                                                                 |
| Cos phi                       | 0.45                                                                                                                                                                                             |
| Efficiency                    | 89 %                                                                                                                                                                                             |
| Power dissipation in W        | 19.3 W                                                                                                                                                                                           |
| Current consumption           | 1.5 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                  | >= 35 ms at 115 V                                                                                                                                                                                |
| Output protection type        | Against overload, protection technology: 1.1...1.5 x In<br>Against short-circuits, protection technology: 1.1...1.5 x In<br>Against overvoltage, protection technology: 28.8...33.6 V<br>Thermal |
| Connections - terminals       | For ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG<br>12                                                                                                            |
| Marking                       | CE                                                                                                                                                                                               |
| Electromagnetic compatibility | Immunity to electromagnetic interference conforming to EN 55022 Class B                                                                                                                          |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Mounting Support                | DIN rail with accessory<br>Panel mounting with accessory |
| Operating altitude              | 5000 m                                                   |
| Output coupling                 | Series                                                   |
| Overvoltage category            | II                                                       |
| Meantime between failure [MTBF] | 600000 h at 77 °F (25 °C)                                |
| Status LED                      | 1 LED (Green) output voltage                             |
| Width                           | 6.3 in (159 mm)                                          |
| Height                          | 3.8 in (97 mm)                                           |
| Depth                           | 1.2 in (30 mm)                                           |
| Product Weight                  | 0.97 lb(US) (0.44 kg)                                    |

## Environment

|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| Product Certifications                | EAC<br>IC<br>RoHS<br>KC<br>RCM                                 |
| IP degree of protection               | IP20 conforming to IEC 62368-1                                 |
| Ambient air temperature for operation | -22...158 °F (-30...70 °C) (with power derating of 2 % per °C) |
| Ambient Air Temperature for Storage   | -40...185 °F (-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                                |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1CP4B22153  |
| Discount Schedule | CP4B          |
| GTIN              | 3606481277459 |
| Returnability     | No            |
| Country of origin | CN            |

## Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Nbr. of units in pkg.        | 1                    |
| Package 1 Height             | 1.413 in (3.589 cm)  |
| Package 1 Width              | 4.07 in (10.33 cm)   |
| Package 1 Length             | 6.561 in (16.664 cm) |
| Package weight(Lbs)          | 15.5 oz (440.0 g)    |
| Unit Type of Package 2       | S03                  |
| Number of Units in Package 2 | 35                   |
| Package 2 Height             | 11.8 in (30.0 cm)    |
| Package 2 Width              | 11.8 in (30.0 cm)    |

|                  |                         |
|------------------|-------------------------|
| Package 2 Length | 15.7 in (40.0 cm)       |
| Package 2 Weight | 36.31 lb(US) (16.47 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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 >](#)

### Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                      |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

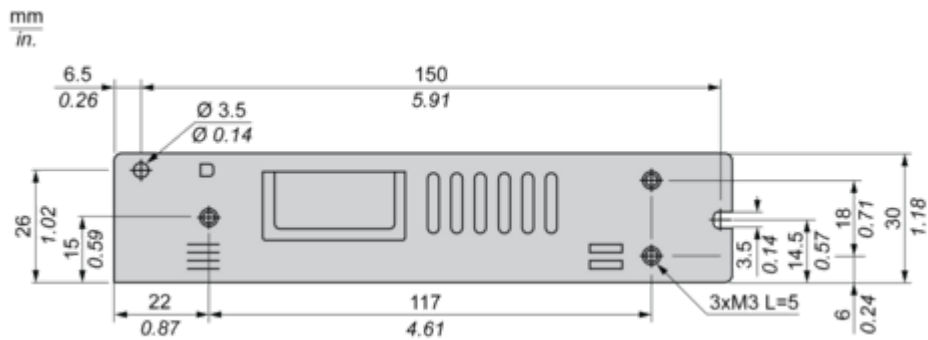
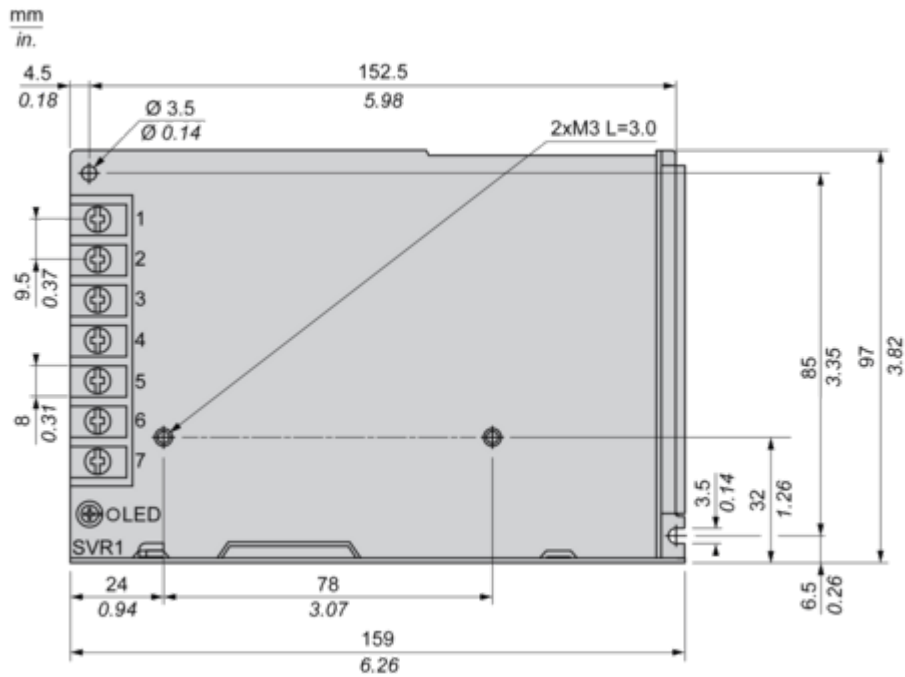
### Use Again

| Repack and remanufacture |    |
|--------------------------|----|
| Take-back                | No |

Dimensions Drawings

Dimensions Drawings

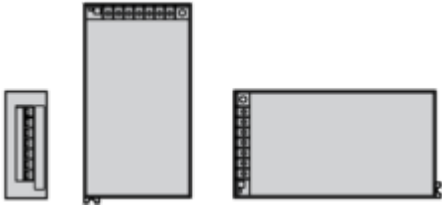
Mechanical Dimensions



Mounting and Clearance

Mounting and Clearance

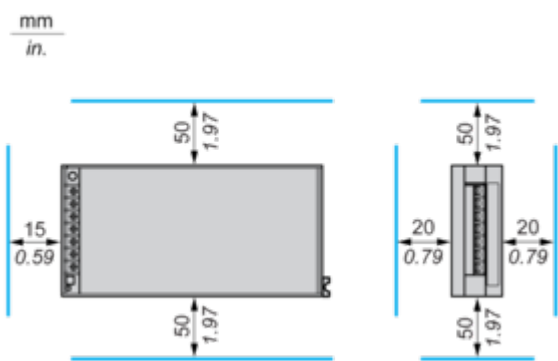
Vertical Mounting



Horizontal Mounting



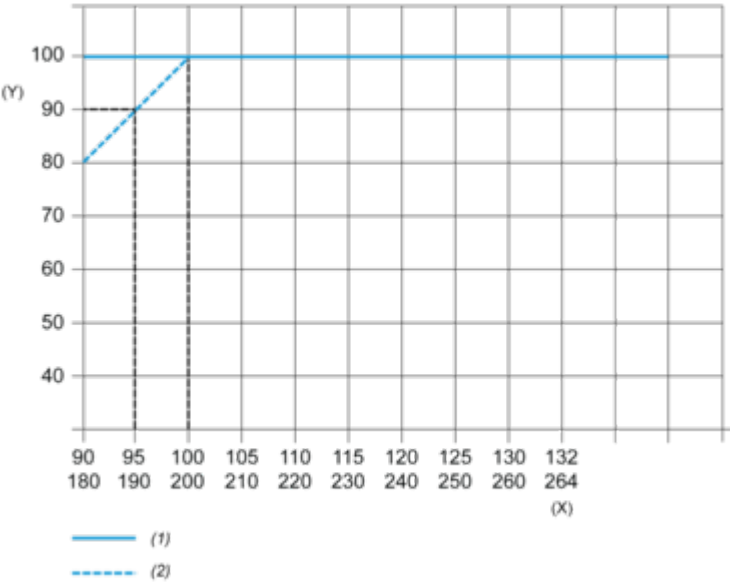
Clearance



Performance Curves

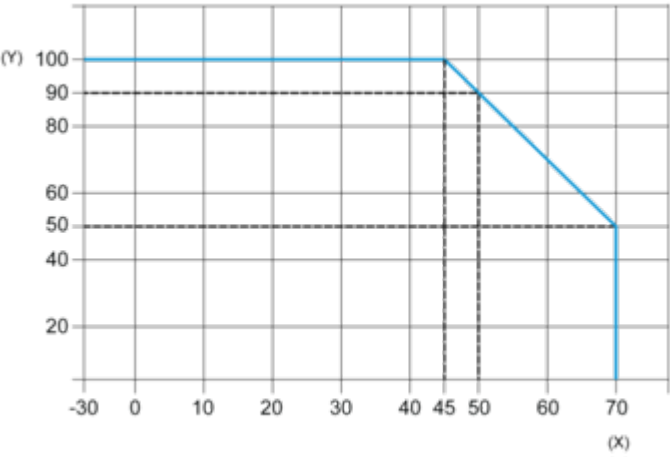
Performance Curves

Static Characteristics



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

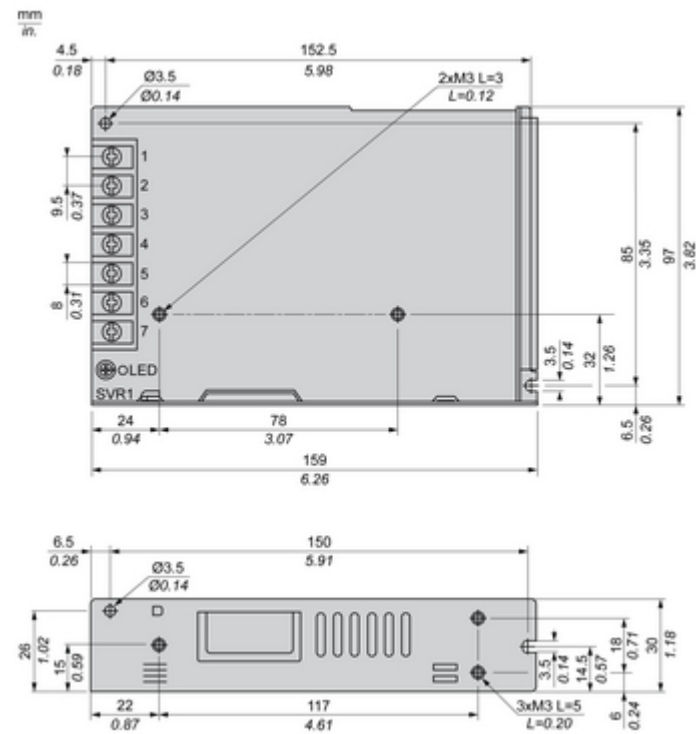
Derating Curve



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

Technical Illustration

Dimensions

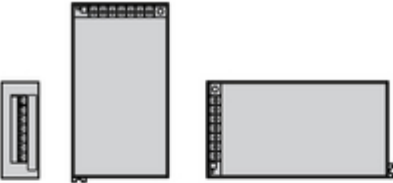


Technical illustration

Product Installation

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Vertical Mounting



Horizontal Mounting



Clearance

