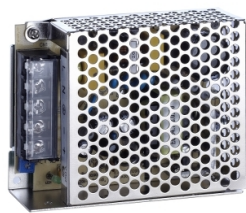


# Product datasheet

Specifications



## Switching mode power supply in 100-240 VAC, out 24VDC, 35 W

ABL2REM24015H

⚠ Discontinued on: 30 Dec 2020

⚠ End-of-service on: 1 Apr 2021

⚠ Discontinued

### Main

|                             |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Range of product            | Easy Modicon ABL2                                         |
| Product or component type   | Power supply                                              |
| Power supply type           | Regulated switch mode                                     |
| Rated power in W            | 35 W                                                      |
| Main Input Voltage          | 100...240 V AC single phase                               |
| Output voltage              | 24 V DC                                                   |
| Power supply output current | 1.5 A                                                     |
| Operating position          | Any position                                              |
| Vibration resistance        | 2 gn (f= 10...500 Hz) conforming to EN/IEC 61131-2        |
| Name of test                | Conducted interference conforming to EN 61000-6-4 level A |

### Complementary

|                          |                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits     | 85...264 V                                                                                                                                                                             |
| Network frequency        | 47...63 Hz                                                                                                                                                                             |
| Inrush current           | 45 A at 100...240 V AC                                                                                                                                                                 |
| Cos phi                  | 0.45                                                                                                                                                                                   |
| Efficiency               | 83 %                                                                                                                                                                                   |
| Power dissipation in W   | 4.7 W                                                                                                                                                                                  |
| Current consumption      | 0.4 A at 240 V                                                                                                                                                                         |
| Input protection type    | Integrated fuse (not interchangeable)                                                                                                                                                  |
| Output voltage limits    | 21.6...26.4 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<br>Against short-circuits, protection technology: 1.1...1.5 x In<br>Against overvoltage, protection technology: 1.1...1.5 x In |
| Connections - terminals  | For ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 12                                                                                                     |
| Marking                  | CE                                                                                                                                                                                     |
| Mounting support         | DIN rail with accessory<br>Panel mounting with accessory                                                                                                                               |
| Operating altitude       | 2000 m                                                                                                                                                                                 |

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

|                                 |                              |
|---------------------------------|------------------------------|
| Output coupling                 | Series                       |
| Overvoltage category            | II                           |
| Meantime between failure [MTBF] | 350000 h at 25 °C            |
| Status LED                      | 1 LED (green) output voltage |
| Width                           | 81 mm                        |
| Height                          | 105 mm                       |
| Depth                           | 36 mm                        |
| Net weight                      | 0.31 kg                      |

## Environment

|                                       |                                                    |
|---------------------------------------|----------------------------------------------------|
| Product certifications                | EAC<br>IC                                          |
| Environmental characteristic          | EMC conforming to EN 55022 class B                 |
| IP degree of protection               | IP20 conforming to EN/IEC 60950                    |
| Ambient air temperature for operation | -20...70 °C (with rated power derating 5 W per °C) |
| Ambient air temperature for storage   | -20...85 °C                                        |
| Relative humidity                     | 20...90 %                                          |
| Overvoltage category                  | Class I conforming to VDE 0106-1                   |
| 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 Height             | 4.183 cm |
| Package 1 Width              | 8.776 cm |
| Package 1 Length             | 11.09 cm |
| Package 1 Weight             | 281 g    |

## 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 Longer

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