

# Product datasheet

Specifications



single phase power supply, 100 to 240V AC input, 12V DC output, 75W, Din-rail, IP20

ABLS1A12060E

## Main

Range of product	Easy Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	75 W
Main Input Voltage	100...240 V AC single phase 140...340 V DC
Output voltage	12 V DC
Power supply output current	6.3 A
Operating position	Vertical
Vibration resistance	2 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
Name of test	Radiated electromagnetic field conforming to EN 61000-4-3 level 3A Electrostatic discharges conforming to EN 61000-4-2 level 3B Electrical fast transients/bursts conforming to EN 61000-4-4 level 3B Surge conforming to EN 61000-4-5 level 3B Conducted conforming to EN 61000-4-6 level 3A Emission conforming to EN 55032 conforming to EN 61000-3-2

## Complementary

Input voltage limits	90...264 V AC 127...370 V DC
Network frequency	47...63 Hz
Inrush current	20 A at 115 V AC 35 A at 230 V AC
Cos phi	0.4...0.6
Efficiency	85 %
Power dissipation in W	25 W
Current consumption	0.9 A at 240 V 1.62 A at 100 V
Input protection type	Integrated fuse (not interchangeable)
Output voltage limits	10.8...13.8 V
Line and load regulation	+/- 1 %
Holding time	>= 12 ms at 115 V
Output protection type	Against overload, protection technology: 1.1...1.3 x In overload protection Against overvoltage, protection technology: tripping if U between 14...17 V Against short-circuits, protection technology: automatic reset Thermal, protection technology: auto reset

<b>Connections - terminals</b>	For ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 12 For input connection: screw type terminals, connection capacity: 2 x 4 mm <sup>2</sup> AWG 12 For output connection: screw type terminals, connection capacity: 4 x 4 mm <sup>2</sup> AWG 12
<b>Marking</b>	CE UL
<b>Operating altitude</b>	2000 m 5000 m
<b>Overvoltage category</b>	II
<b>Meantime between failure [MTBF]</b>	100000 h at 40 °C
<b>Status LED</b>	1 LED (green) output voltage
<b>Width</b>	32 mm
<b>Height</b>	125 mm
<b>Depth</b>	102 mm
<b>Net weight</b>	0.396 kg

## Environment

<b>Product certifications</b>	CE RoHS RoHS (china) UKCA UL 508 REACH
<b>Environmental characteristic</b>	Safety conforming to EN 62368-1 EMC conforming to BS EN/EN 61000-4-2/3/4/5/6/8/11 EMC conforming to EN 55032
<b>IP degree of protection</b>	IP20 conforming to EN 62368-1
<b>Ambient air temperature for operation</b>	20...50 °C (without derating) 50...70 °C (with derating factor)
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Relative humidity</b>	10...95 %
<b>Pollution degree</b>	2
<b>Dielectric strength</b>	2000 V between input and ground 3000 V between input and output 500 V between output and ground

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.400 cm
<b>Package 1 Width</b>	13.900 cm
<b>Package 1 Length</b>	15.300 cm
<b>Package 1 Weight</b>	478.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	22
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm

<b>Package 2 Weight</b>	10.934 kg
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	528
<b>Package 3 Height</b>	105.000 cm
<b>Package 3 Width</b>	80.000 cm
<b>Package 3 Length</b>	120.000 cm
<b>Package 3 Weight</b>	275.616 kg

## **Contractual warranty**

<b>Warranty (in months)</b>	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 >](#)



### Environmental footprint

Total lifecycle Carbon footprint	2 948 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	24 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	2 921 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.

## Use Better



### Materials and Packaging

Packaging made with recycled cardboard	No
Packaging without single use plastic	No

## Use Longer



### Lifetime extension

Repair	No
--------	----

## Use Again



### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

---





