

# Product datasheet

Specifications



## converter module 24 W - 24..28.8 V DC, 12 V DC - 2 A - for regulated SMPS

Local distributor code:  
389706517

ABL8DCC12020

EAN Code: 3389119406895

### Main

Range of product	Phaseo Universal
Product or component type	Converter module
Rated power in W	24 W
Input voltage	24...28.8 V DC
Output voltage	12 V DC
Power supply output current	2 A

### Complementary

Input voltage limits	22...30 V
Efficiency	82 %
Power dissipation in W	4 W
Input protection type	Against reverse polarity
Output voltage limits	7...15 V
Line and load regulation	1...3 %
Residual ripple	<= 100 mV
Output protection type	Against overload, protection technology: automatic reset Against overvoltage, protection technology: tripping if $U > 7.8$ V, automatic reset Against short-circuits, protection technology: automatic reset
Connections - terminals	For input connection: screw type terminals, connection capacity: 2 x 0.5...2 x 4 mm <sup>2</sup> AWG 24...AWG 10 For output connection: screw type terminals, connection capacity: 2 x 0.5...2 x 4 mm <sup>2</sup> AWG 24...AWG 10
Fixing mode	By clips on 35 mm symmetrical DIN rail, operating position: horizontal By clips on 35 mm symmetrical DIN rail, operating position: vertical
Operating altitude	2000 m
Name of test	Induced electromagnetic field conforming to IEC 61000-4-6 level 3 Radiated electromagnetic field conforming to IEC 61000-4-3 level 3 Rapid transient conforming to IEC 61000-4-4 level 3 Surge conforming to IEC 61000-4-5 level 2 Conducted/radiated emissions conforming to EN 55022 class B Electrostatic discharges conforming to IEC 61000-4-2 Emission conforming to IEC 61000-6-3
Local signalling	1 LED (green) for output voltage (> 6 V)
Net weight	0.3 kg

### Environment

IP degree of protection	IP20 conforming to IEC 60529
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<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Relative humidity</b>	0...90 % during operation 0...95 % during storage
<b>Overvoltage category</b>	Class 3
<b>Vibration resistance</b>	2 gn (f= 11.9...150 Hz) conforming to IEC 61131-2 3.5 mm (f= 3...11.9 Hz) conforming to IEC 61131-2
<b>Dielectric strength</b>	500 V between input and ground 500 V between input and output 500 V between output and ground
<b>Product certifications</b>	RCM EAC cCSAus UL
<b>Environmental characteristic</b>	EMC conforming to EN 50081-1 EMC conforming to IEC 61000-6-3 EMC conforming to IEC 61000-6-2 Safety conforming to IEC 60950-1 Safety conforming to IEC 61204

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6.500 cm
<b>Package 1 Width</b>	14.500 cm
<b>Package 1 Length</b>	16.500 cm
<b>Package 1 Weight</b>	601.000 g
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	18
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	40.000 cm
<b>Package 2 Length</b>	60.000 cm
<b>Package 2 Weight</b>	12.161 kg

## Logistical informations

<b>Country of origin</b>	PH
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## Contractual warranty

<b>Warranty</b>	18 months
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## 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 78

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

PVC free Yes

## Use Again

### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

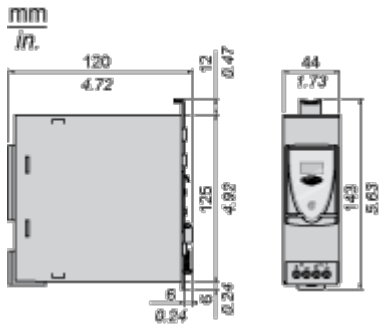
WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Converter Module

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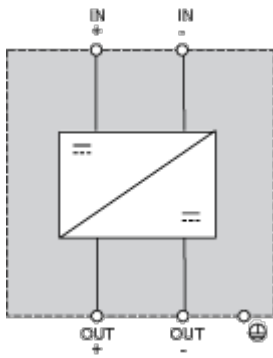
Dimensions



Connections and Schema

Internal Wiring Diagram

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Scheme of Use with ABL4 Power Supplies

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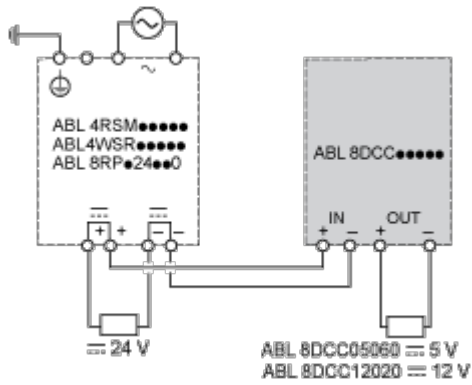


Image of product / Alternate images

Alternative

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