Product data sheet

Specifications



converter module, modicon, 30W, 24 to 28.8V DC, 5V DC, 6A, for regulated SMPS

ABL8DCC05060

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

Main

Range of Product	Phaseo Universal
Product or Component Type	Converter module
Rated power in W	30 W
Input voltage	24...28.8 V DC
Output voltage	5 V DC
Power supply output current	6 A

Complementary

Input voltage limits	22...30 V
Efficiency	80 %
Power dissipation in W	7 W
Input protection type	Against reverse polarity
Output voltage limits	5...6.5 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 mm² AWG 24...AWG 10 For output connection: screw type terminals, connection capacity: 2 x 0.5...2 x 4 mm² AWG 24...AWG 10
Fixing mode	By clips 35 mm symmetrical DIN rail horizontal with derating to 40 % By clips 35 mm symmetrical DIN rail vertical
Operating altitude	6561.68 ft (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 (> 4 V)
Product Weight	0.7 lb(US) (0.3 kg)

Environment

IP degree of protection	IP20 conforming to IEC 60529
Ambient Air Temperature for Operation	-13…140 °F (-25…60 °C)

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

Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Relative Humidity	0…90 % during operation 0…95 % during storage
Overvoltage category	Class 3
Vibration resistance	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
Dielectric strength	500 V between input and ground 500 V between input and output 500 V between output and ground
Product Certifications	EAC cCSAus RCM UL
Environmental characteristic	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

Ordering and shipping details

Category	US1CP1222525
Discount Schedule	CP12
GTIN	3389119406888
Returnability	No
Country of origin	PH

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.559 in (6.500 cm)
Package 1 Width	5.709 in (14.500 cm)
Package 1 Length	6.496 in (16.500 cm)
Package weight(Lbs)	22.011 oz (624.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	18
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	26.235 lb(US) (11.900 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 >

Environmental footprint

Total lifecycle Carbon footprint	**113 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**17 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.3 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**94 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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 www.P65Warnings.ca.gov**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

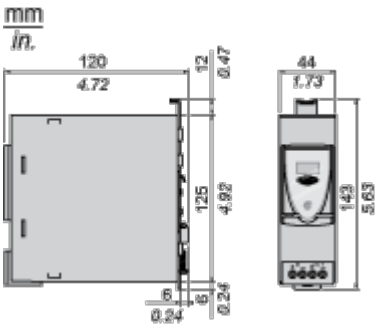
Repack and remanufacture

Recyclability potential, in %	**40**
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

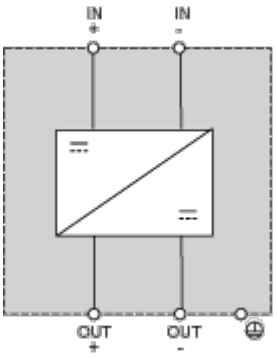
Converter Module

Dimensions



Connections and Schema

Internal Wiring Diagram



Scheme of Use with ABL4 Power Supplies

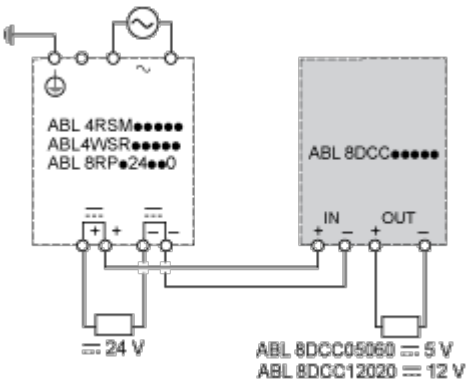
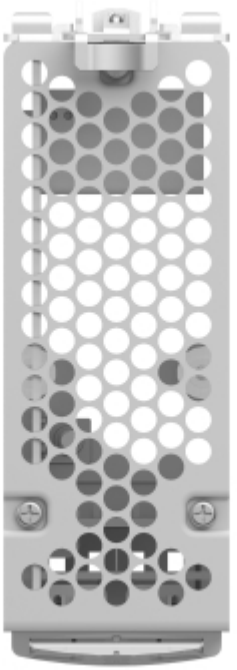
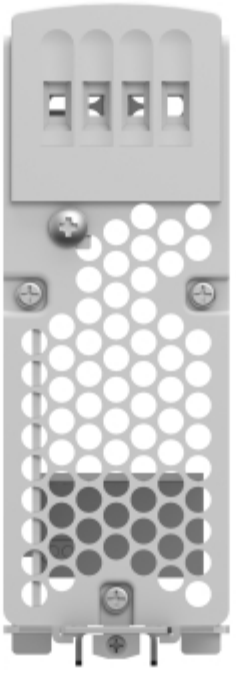


Image of product / Alternate images

Alternative












Schneider Electric
ABL8DCC05060
5V
6,5V
+ IN -
+ OUT