

Product data sheet

Specifications



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

ABL8DCC05060

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 mm ² AWG 24...AWG 10 For output connection: screw type terminals, connection capacity: 2 x 0.5...2 x 4 mm ² AWG 24...AWG 10
Fixing Mode	By clips on 35 mm symmetrical DIN rail, operating position: horizontal with derating to 40 % 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 (> 4 V)
Net Weight	0.3 kg

Environment

Ip Degree Of Protection	IP20 conforming to IEC 60529
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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 Operation	-25...60 °C
Ambient Air Temperature For Storage	-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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	14.5 cm
Package 1 Length	16.5 cm
Package 1 Weight	610.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	11
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.225 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	88
Package 3 Height	75.0 cm
Package 3 Width	40.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	78.68 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Pvc Free

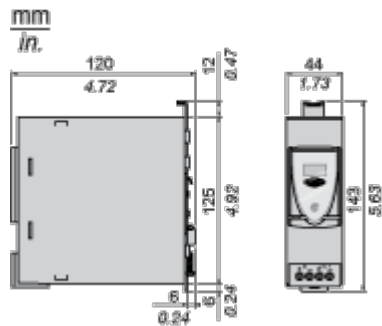
Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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

Dimensions Drawings

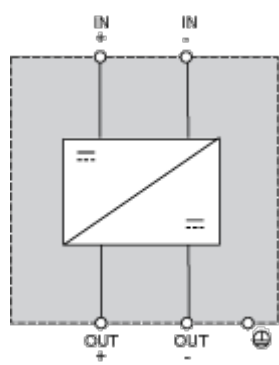
Converter Module

Dimensions



Connections and Schema

Internal Wiring Diagram



Scheme of Use with ABL4 Power Supplies

