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

Price*: 225.00 USD

Main

Range Of Product	Phaseo Universal
Product Or Component Type	Converter module
Kw Rating	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 automatic reset Against overvoltage tripping if U > 7.8 V, automatic reset Against short-circuits automatic reset
Connections - Terminals	Input connection screw type terminals 2 x 0.5...2 x 4 mm² AWG 24...AWG 10 Output connection screw type terminals 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 IEC 61000-4-6 level 3 Radiated electromagnetic field IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Surge IEC 61000-4-5 level 2 Conducted/radiated emissions EN 55022 Class B Electrostatic discharges IEC 61000-4-2 Emission IEC 61000-6-3
Local Signalling	for output voltage (> 4 V) 1 LED (green)
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Ip Degree Of Protection	IP20 conforming to IEC 60529

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 Operation	-13…140 °F (-25…60 °C)
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 11.9…150 Hz)IEC 61131-2 3.5 mm 3…11.9 Hz)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 EN 50081-1 EMC IEC 61000-6-3 EMC IEC 61000-6-2 Safety IEC 60950-1 Safety 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
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	5.71 in (14.5 cm)
Package 1 Length	6.50 in (16.5 cm)
Package 1 Weight	21.52 oz (610.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	11
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	15.93 lb(US) (7.225 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	88
Package 3 Height	29.53 in (75.0 cm)
Package 3 Width	15.75 in (40.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	173.46 lb(US) (78.68 kg)

Contractual warranty

Warranty	18 months

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-CO_2 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	

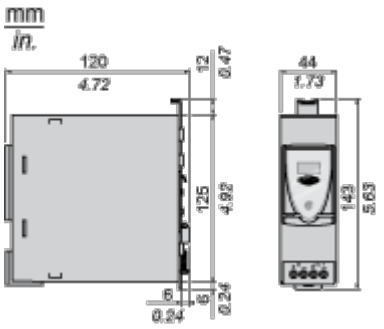
Certifications & Standards

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

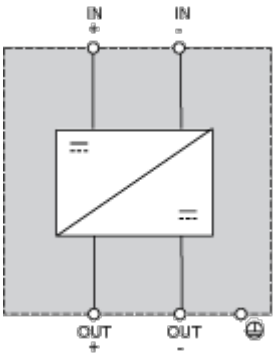
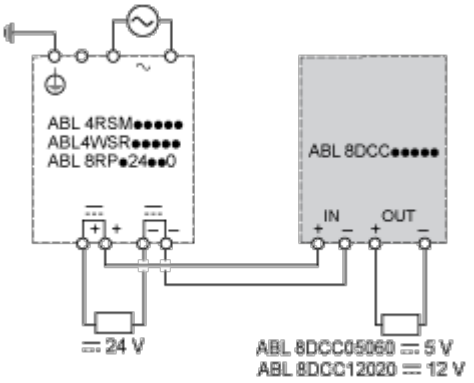
Converter Module

Dimensions



Connections and Schema

Internal Wiring Diagram



Scheme of Use with ABL4 Power Supplies