

Product data sheet

Specifications



converter module, modicon, 24W,
24 to 28.8V DC, 12V DC, 2A, for
regulated SMPS

ABL8DCC12020

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

Main

Range of Product	Phaseo Universal
Product or Component Type	Converter module
Kw Rating	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: $2 \times 0.5...2 \times 4$ mm ² AWG 24...AWG 10 For output connection: screw type terminals, connection capacity: $2 \times 0.5...2 \times 4$ mm ² AWG 24...AWG 10
Fixing mode	By clips 35 mm symmetrical DIN rail horizontal 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	for output voltage (> 6 V) 1 LED (green)
Net Weight	0.7 lb(US) (0.3 kg)

Environment

IP degree of protection	IP20 conforming to IEC 60529
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 (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	RCM EAC cCSAus 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	3389119406895
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 (6.500 cm)
Package 1 Width	5.71 in (14.500 cm)
Package 1 Length	6.50 in (16.500 cm)
Package 1 Weight	21.199 oz (601.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	18
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	15.75 in (40.000 cm)
Package 2 Length	23.62 in (60.000 cm)
Package 2 Weight	26.810 lb(US) (12.161 kg)

Contractual warranty

Warranty	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

Carbon footprint (kg CO2 eq, Total Life cycle) 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](#)

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 Again

Repack and remanufacture

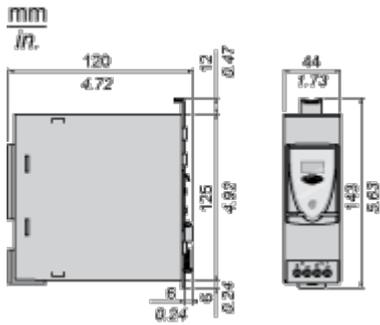
Circularity Profile [End of Life Information](#)

Take-back No

Dimensions Drawings

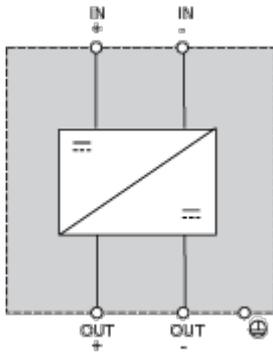
Converter Module

Dimensions



Connections and Schema

Internal Wiring Diagram



Scheme of Use with ABL4 Power Supplies

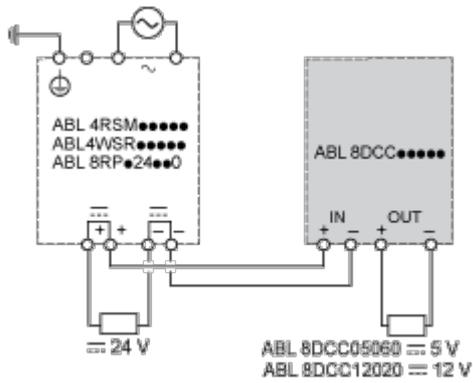


Image of product / Alternate images

Alternative

