

# Product data sheet

## Characteristics

# ABL8DCC12020

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



### 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 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 mm <sup>2</sup> AWG 24...AWG 10 Output connection screw type terminals 2 x 0.5...2 x 4 mm <sup>2</sup> 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 EN/IEC 61000-4-6 level 3 Radiated electromagnetic field EN/IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Surge EN/IEC 61000-4-5 level 2 Conducted/Radiated emissions EN 55022 Class B Electrostatic discharges EN/IEC 61000-4-2 Emission EN 61000-6-3
Local signalling	For output voltage (> 6 V) 1 LED (green)
Net Weight	0.66 lb(US) (0.3 kg)

### Environment

IP degree of protection	IP20 conforming to EN/IEC 60529
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)EN/IEC 61131-2 3.5 mm 3...11.9 Hz)EN/IEC 61131-2
Dielectric strength	500 V between input and ground 500 V between input and output 500 V between output and ground

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Product Certifications	RCM EAC CCSAus UL
Environmental characteristic	EMC EN 50081-1 EMC EN 61000-6-3 EMC EN/IEC 61000-6-2 Safety EN/IEC 60950-1 Safety IEC 61204

### Ordering and shipping details

Category	22525-ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	3389119406895
Nbr. of units in pkg.	1
Package weight(Lbs)	21.20 oz (601.0 g)
Returnability	No
Country of origin	PH

### Packing Units

Unit Type of Package 1	PCE
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)
Unit Type of Package 2	S04
Number of Units in Package 2	18
Package 2 Weight	26.81 lb(US) (12.161 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)

### Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
PVC free	Yes

### Contractual warranty

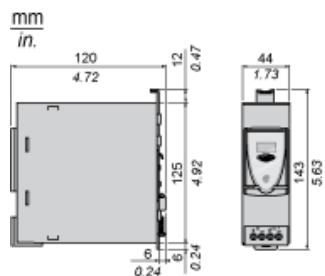
Warranty	18 months
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Converter Module

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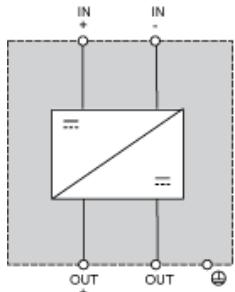
Dimensions



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Internal Wiring Diagram

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Scheme of Use with ABL4 Power Supplies

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