



## 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 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 (> 6 V) 1 LED (green)
Net Weight	0.66 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)
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	RCM[RETURN]EAC[RETURN]cCSAus[RETURN]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	22525-ABL8 AND ABL7 POWER SUPPLIE
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 (6.5 cm)
Package 1 Width	5.71 in (14.5 cm)
Package 1 Length	6.50 in (16.5 cm)
Package 1 Weight	21.20 oz (601.0 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	15.59 lb(US) (7.071 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	171.71 lb(US) (77.888 kg)

### 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>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
PVC free	Yes

### Contractual warranty

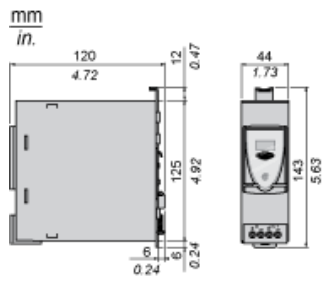
Warranty	18 months
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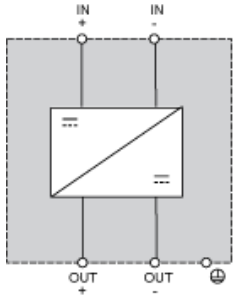
Converter Module

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Dimensions



## Internal Wiring Diagram



## Scheme of Use with ABL4 Power Supplies

