



## 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<br>Against overvoltage, protection technology: tripping if U > 7.8 V, automatic reset<br>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 <sup>2</sup> AWG 24...AWG 10<br>For output connection: screw type terminals, connection capacity: 2 x 0.5...2 x 4 mm <sup>2</sup> AWG 24...AWG 10  |
| Fixing mode              | By clips on 35 mm symmetrical DIN rail, operating position: horizontal with derating to 40 %<br>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<br>Radiated electromagnetic field conforming to IEC 61000-4-3 level 3<br>Rapid transient conforming to IEC 61000-4-4 level 3<br>Surge conforming to IEC 61000-4-5 level 2<br>Conducted/Radiated emissions conforming to EN 55022 class B<br>Electrostatic discharges conforming to IEC 61000-4-2<br>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                         |
| Ambient air temperature for operation | -25...60 °C  |
| Ambient air temperature for storage   | -40...85 °C  |
| Relative humidity                     | 0...90 % during operation<br>0...95 % during storage |
| Overvoltage category                  | Class 3  |

|                              |  |
|------------------------------|--|
| Vibration resistance         | 2 gn (f= 11.9...150 Hz) conforming to IEC 61131-2<br>3.5 mm (f= 3...11.9 Hz) conforming to IEC 61131-2   |
| Dielectric strength          | 500 V between input and ground<br>500 V between input and output<br>500 V between output and ground  |
| Product certifications       | EAC[RETURN]cCSAus[RETURN]RCM[RETURN]UL   |
| Environmental characteristic | EMC conforming to EN 50081-1<br>EMC conforming to IEC 61000-6-3<br>EMC conforming to IEC 61000-6-2<br>Safety conforming to IEC 60950-1<br>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 |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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

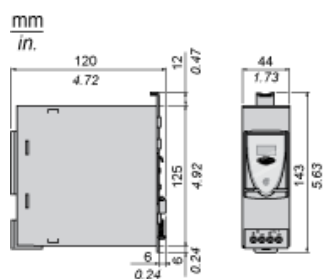
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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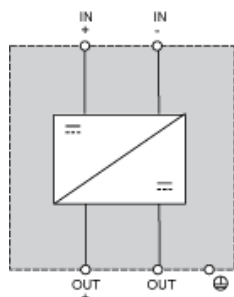
Converter Module

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Dimensions



## Internal Wiring Diagram



## Scheme of Use with ABL4 Power Supplies

