

## DDi 10/32-16 072

### 12/32V to 16V Voltage Converter

The unit has the following key benefits:

- Quick and easy to connect
- Power rating to 72W continuous (96W intermittent)
- Switch mode design with efficiency typically 85%
- Isolation between input/output and case
- Internal protection against over current, transients and overheating.



<b>Input voltage range</b>	<b>12/24Vdc nominal (10V-32V)</b>
<b>Output voltage</b>	<b>16.0Vdc +/- 5%</b>
<b>Continuous Current Rating</b>	<b>16.0 output rated at 4.5A continuous</b>
<b>Intermittent Current Rating</b>	<b>16.0V output rated at 6A taken for a maximum of 2 minutes followed by 8 minutes rest.</b>
<b>Isolation</b>	<b>&gt;400Vrms between input, output and case</b> <b>Earth wire to meet installation in petroleum tankers</b>
<b>Output noise</b>	<b>&lt;50mV pk-pk</b>
<b>Off load current (quiescent current)</b>	<b>&lt;15mA</b>
<b>Power conversion efficiency</b>	<b>Typically: 85%</b>
<b>Operating temperature</b>	<b>-25°C to +30°C to meet this specification table</b> <b>+30°C to +80°C de rate linearly to 0A</b>
<b>Storage temperature</b>	<b>-25°C to +100°C</b>
<b>Operating humidity</b>	<b>95% max., non-condensing</b>
<b>Casework</b>	<b>Anodised aluminium, glass filled polycarbonate, dust water and impact resistance to IP53</b>
<b>Connections</b>	<b>4 off 6.3mm push on crimp connections + earth wire</b>
<b>Weight &amp; Dimensions</b>	<b>Weight: 460g. Dimensions: 127 (L), x 87 (W), x 50 (H) mm</b>
<b>Mounting method</b>	<b>"Click 'n' Fit" mounting clip, fitted separately using three hole fixing</b>
<b>Safe area protection: Over current</b>	<b>Limited by current sensing circuit</b>
<b>Over heat</b>	<b>Limited by temperature sensing circuit</b>
<b>Transients</b>	<b>Protected by filters and rugged component selection</b>
<b>Catastrophic failure</b>	<b>Protected by internal input and output fuses</b>
<b>Approvals</b>	<b>2014/30/EU The general EMC directive</b> <b>93/68/EEC The CE marking directive</b> <b>Reg 10 E13 05 13472</b>
<b>Markings</b>	<b>CE E marked</b>