

DC-DC CONVERTER - 9-18 VDC TO 24 VDC 1.25 A



APPLICATIONS:

Powering of process transmitters using battery or solar power.

Providing a regulated DC supply to any 24 V powered equipment in a mobile environment.

PART NUMBERING:

GB-DC30/12/24-1.25A DC to DC Converter 24V 1.25A

SPECIFICATIONS:

- Output voltage 24 VDC, maximum current 1.25 A.
- Input voltage range 9 to 18 VDC.
- Ripple and noise - 100 mV pk-pk.
- Line and load regulation ± 0.5 %.
- Voltage accuracy ± 2.0 %.
- Efficiency typically 80 %.
- Input current at no load 40 mA, at full load 3.2 A.
- Fuse protection recommended - 5 A slow blow.
- Short circuit protection - hiccup mode, recovers automatically after fault condition is removed.
- Operating temperature -20°C to 70°C , derate above 50°C linearly to 50% load at 70°C .
- Temperature co-efficient $0.03\%/^{\circ}\text{C}$.
- EMC Emission - Compliance to EN55022 Class B, FCC part 15 Class B.
- EMC Immunity - Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A.
- Withstand voltage - input/output 1 kVDC.
- MTBF - 100 kHours minimum.
- DIN rail mounting.
- High quality, self extinguishing, polyamide enclosure.
- Screw terminal connections.
- Dimensions 40 x 80 x 85 mm (W x H x D).
- Mass 200 g, mass in packaging 250 g.

dt danntech
PROCESS INSTRUMENTATION

Danntech cc
Reg. No. 1986/15338/23
Tel: + 27 (0)11 792-1239
Fax: + 27 (0)11 792-4687
P O Box 1023, Fontainebleau, 2032
Republic of South Africa
www.danntech.com
www.danntech.co.za

Danntech ltd
Co. No. 6510211
Tel: +44 (0) 75 9069 1824
15 College Close, Hamble-le-Rice
Southampton, Hampshire, SO31 4QU
United Kingdom
www.uk.danntech.com