

AC-DC Converters

DLS-23024AC-DIN Series

230V AC to 24V DC Power Supply



- *High efficiency*
- *High precision*
- *Heavy duty applications*

DLS-23024AC-DIN Series AC-DC Converter Datasheet

100V to 270 V AC Input and 24 VDC output



Applications:

- Telecommunications
- Distributed power
- Defense
- Medical
- Home appliances
- And other applications requiring high efficiency

General Description:

Nelso® is manufacturer of high precision, high reliability DIN Rail type AC-DC Converter in Kolkata, India. This product is designed to provide 230V AC to 24V DC power conversion.

Features:

- Input-output isolation
- High efficiency
- High precision
- Wide input voltage range
- Over-voltage protection
- Under voltage protection
- Reverse polarity protection
- Voltage transient protection
- Over load protection
- Short circuit protection

Quick Reference Data:

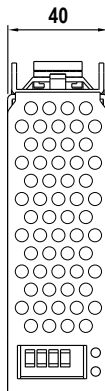
Model No.	Input Voltage	Output Voltage	Output Current	Efficiency	Ripple
DLS-23024 AC-DIN	230V AC	24V DC	2A-7A	>80%	<150mV

Electrical Specification:

Input Voltage:	100V AC to 270V AC
Output Voltage:	24V DC (Regulated)
Output Current:	2A - 7A/48W - 168W
Reverse Polarity:	AC/DC
Line Regulation:	±0.5%
Load Regulation:	± 1% at terminal block
Switching Frequency:	80 KHz
Efficiency:	>80% Typical
Topology:	Transformer isolated flyback converter
Operating Temperature:	- 20 to 80 °C
Humidity:	Up to 95% RH
Board Temperature:	80°C
Storage Temperature Range:	- 55°C to + 105°C
Weight:	425gm
Dimension (Length x Width x Height):	112 x 40 x 125 mm

Mechanical Dimension of AC-DC Converter

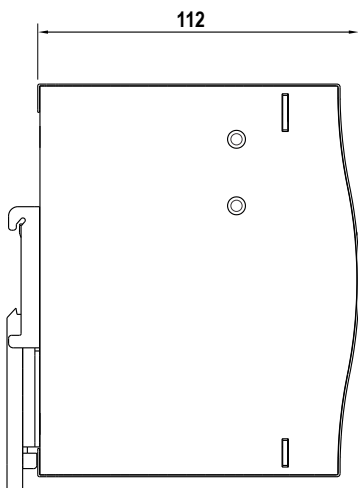
* All units are in “mm”



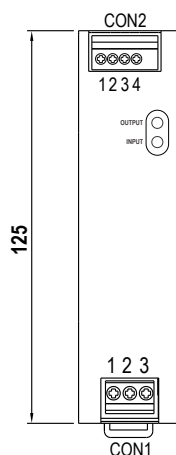
Top View

Terminal Pin No. Assignment (CON2)

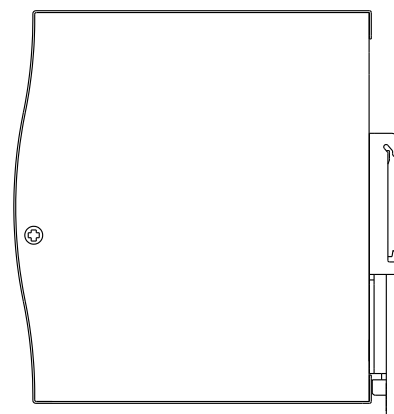
Pin No.	Assignment
1,2	DC Output +Vo
3,4	DC Output -Vo



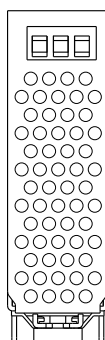
Side View



Front View



Side View



Bottom View

Terminal Pin No. Assignment (CON1)

Pin No.	Assignment
1	FG \oplus
2	N
3	L