ANTRIEBSTECHNIK tae

SN1401/LEO

Instruction & Operation manual

Valid for art.-no: 20107-1401F

Caution:

As with any form of electrical equipment, there is always a risk involved in the handling of electrical machinery. The greatest care must always be exercised during installation and maintenance, and it is recommended this be carried out by authorized personnel.

NOTE

Before use the device, please read the operating instruction.

Improper installation and operation could cause personal injury.

Install and ground in accordance with national electric code to prevent electric shock.

Disconnect all power circuits before servicing.

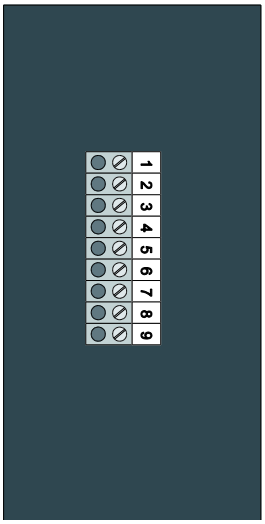
SN1401

1.0 Technical Data

Input voltage	24V DC
Power pack	±10V DC, max. 5mA
Dimensions	(W x H x D) 72mm x 144mm x 222mm
Ambient Temperature	0-40°C
Amplifier	2 inverting amplifiers with a max. possible amplification of 0,01 to 1000.

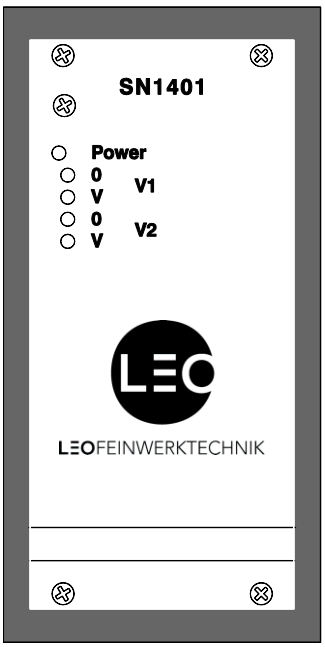
2.0 Connections

Terminal	
1	+24V DC input voltage
2	-24V DC input voltage
3	Input, inverter 1, max. 10V
4	Output, inverter 1, max. 12V
5	Input, inverter 2, max. 10V
6	Output, inverter 2, max. 12V
7	ground
8	ground
9	+12V



3.0 Function

The power supply SN8306(LEO) has a power pack inside with the outputs of ±10V and 2 inverter amplifiers.
The amplifiers 1 and 2 have the same characteristic.



Voltage amplification

Amplifier 1

V1=(R15 + P2) / (R16 + R7)

Amplifier 2

V2=(R19 + P4) / (R18 + R10)

Both amplifiers have a potentiometer for the offset.
The max. load of the amplifieres output is 3mA.

4.0 Dimensions