

*product sold &
supported by*



LASER LAB SOURCE

marketplace for **Scientists & Engineers**

contact@LaserLabSource.com

800-887-5065

FEATURES:

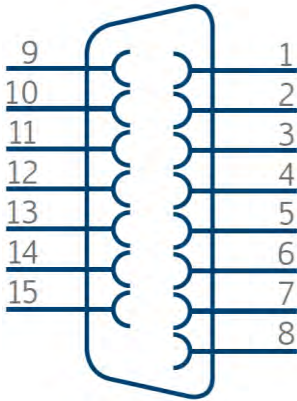
- CW / QCW laser diode driver up to 30Amps at 600 Watts
- Available voltage output 9V ... 30V
- Configurable voltage and current versions
- Digital or analog interface galvanic isolated
- Overload protection
- Temperature-controlled fan
- QCW mode by pulse control pin
- Customized solutions possible



PARAMETERS:

Parameter	1 Channel laser diode driver
Current output	0 ... 30A
Nominal voltage output	24V
Available voltage output	9 ... 30V
Accuracy	<0,5%
Stability	<0.1%
Current ripple	< 0,5% @ full load (BW=20Hz)
Trigger rise / fall time	250µs
Protection circuits	Overcurrent / overvoltage / overtemperature
Parameter	Common data
Voltage input	90 ... 265Vac (Derating < 120Vac)
Power consumption	690W
Power output	600W
Cooling system	Air cooling
Dimensions [mm]	185x130x70 (Length x Width x Height)
Weight	1,35kg
Location of use	Only for inside use
Protection class	II
Degree of protection	IP 20
Radio interference suppression	DIN EN 55011 class A
Noise immunity	EN 61000-6-2 (industrial environment)
Environmental conditions:	
Temperature range	
Operation	10 ... 40 °C (non-condensing)
Storage	-10 ... 60 °C
Relative Humidity	
Operation	≤ 80 % (non-condensing)
Storage	≤ 99 % (non-condensing)
Vertical height of use	
Operation	3000 m
Storage	12000 m

INTERFACE

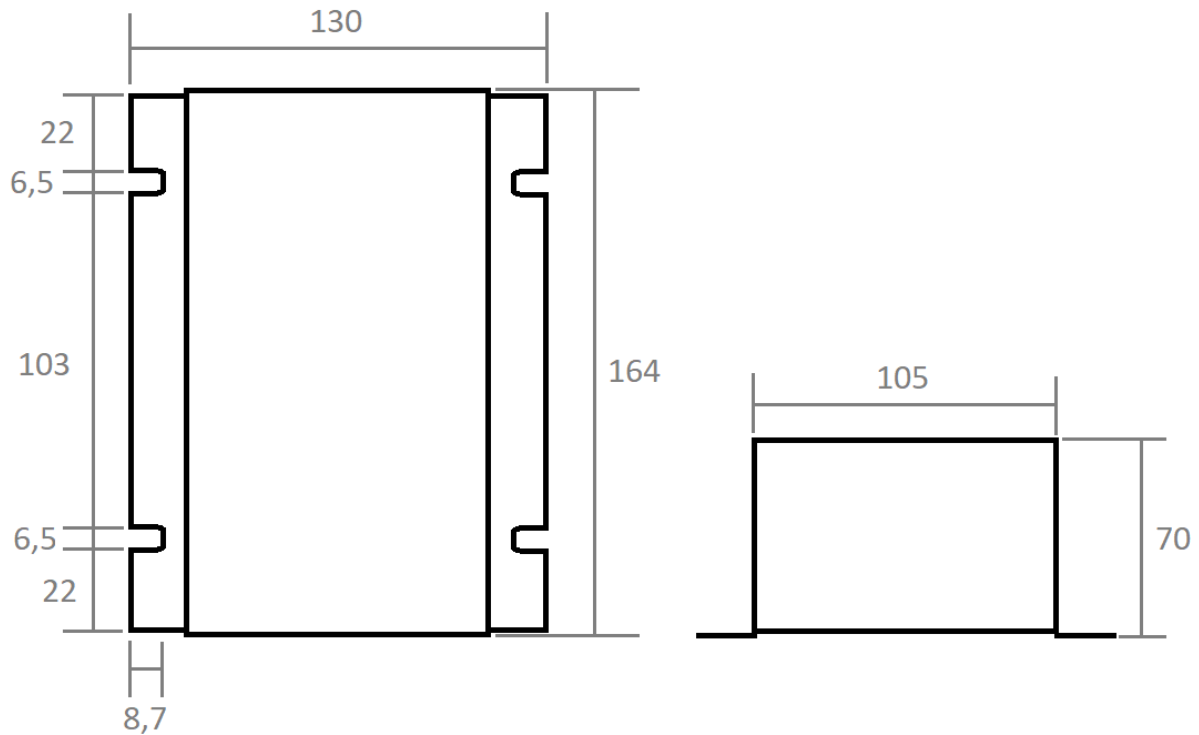


PIN	FUNCTION	SPECIFICATION AND REMARKS
1	Enable	TTL = HIGH
2	n.c.	
3	Interlock	(connect to GND)
4	GND	
5	V-Monitor*	
6	I-Monitor*	
7	I-Programm*	
8	Pulse control	
9	GND	
10	Output status	
11	Overcurrent indicator	
12	Overvoltage indicator	
13	TXD	
14	RXD	
15	GND	

*analogue interface only

MECHANICAL DRAWING

All dimensions are in mm



CONTACT:

LaCoSys GmbH
Ernst-Ruska-Ring 17
D-07745 Jena
Tel.: +49 3641 22 41 51 4
mail@lacosys.com
www.lacosys.com
linkedin.com/company/lacosys-gmbh