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**LASER LAB SOURCE**

marketplace for **Scientists & Engineers**

[contact@LaserLabSource.com](mailto:contact@LaserLabSource.com)

800-887-5065

**FEATURES:**

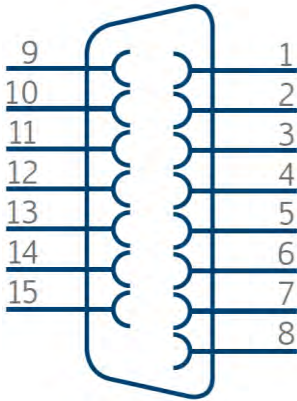
- CW / QCW laser diode driver up to 15 Amps at 600 Watts
- Available voltage output 18V ... 58V
- Configurable voltage and current versions
- Digital or analog interface galvanic isolated
- Overload protection
- Temperature-controlled fan
- QCW mode by pulse control pin
- Customized solutions possible



**PARAMETERS:**

Parameter	1 Channel laser diode driver
Current output	0 ... 15 Amps
Nominal voltage output	48V
Available voltage output	18 ... 58V
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
Input voltage	90 ... 265Vac (Derating < 120Vac)
Maximum power consumption	690 Watts
Power output	600 Watts
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

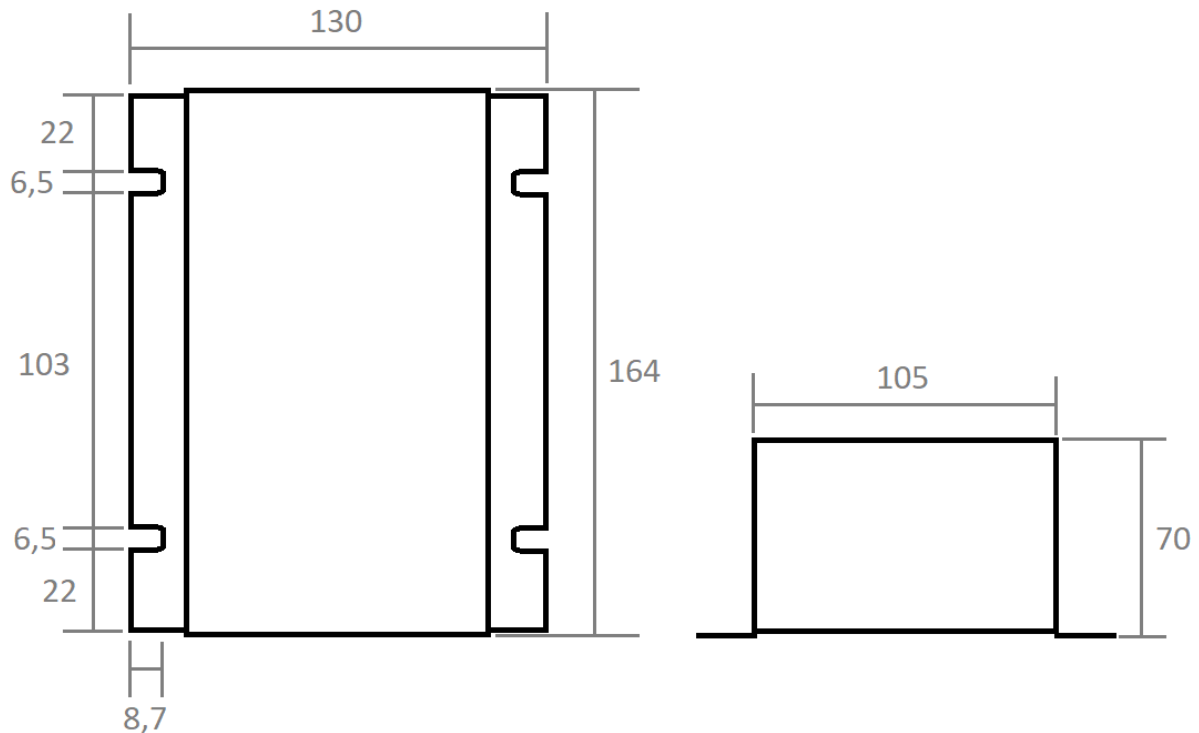


PIN	FUNCTION	SPECIFICATION AND REMARKS
1	Enable	TTL = HIGH
2	n.c.	
3	Interlock	(connect to GND)
4	GND	
5	V-Monitor*	
6	I-Monitor*	
7	I-Programm*	
8	Pulse control	
9	GND	
10	Output status	
11	Overcurrent indicator	
12	Overvoltage indicator	
13	TXD	
14	RXD	
15	GND	

\*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](mailto:mail@lacosys.com)  
[www.lacosys.com](http://www.lacosys.com)  
[linkedin.com/company/lacosys-gmbh](https://www.linkedin.com/company/lacosys-gmbh)