

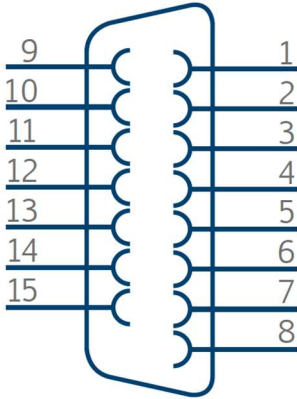
FEATURES:

- 1 Channel CW / QCW laser diode driver up to 600 Watts
- 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:

Type	S600-15	S600-30	S600-60	S500-100
Current output	0 ... 15 Amps	0 ... 30A	0 ... 60A	0 ... 100 Amps
Voltage output	18 ... 58V	9 ... 30V	4,5V ... 15V	1,5V ... 7,5V
Type	S1200-30	S1200-60	S1200-120	S1000-200
Current output	0 ... 30 Amps	0 ... 60A	0 ... 120A	0 ... 200 Amps
Voltage output	18 ... 58V	9 ... 30V	4,5V ... 15V	1,5V ... 7,5V
Accuracy	<0,5%			
Stability	<0.1%			
Current ripple	< 0,5% @ full load (BW=20Hz)			
Trigger rise / fall time	250µs			
Protection circuits	Overcurrent / overvoltage / overtemperature			
Common data				
Type	S500	S600	S1000	S1200
Maximum power consumption	595 Watts	690 Watts	1190 Watts	1380 Watts
Power output	500 Watts	600 Watts	1000 Watts	1200 Watts
Weight	1,35kg		1,7kg	
Dimensions (Length x Width x Height) in mm	185x130x70		185x190x70	
Input voltage	90 ... 265Vac (Derating < 120Vac)			
Cooling system	Air cooling			
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			
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



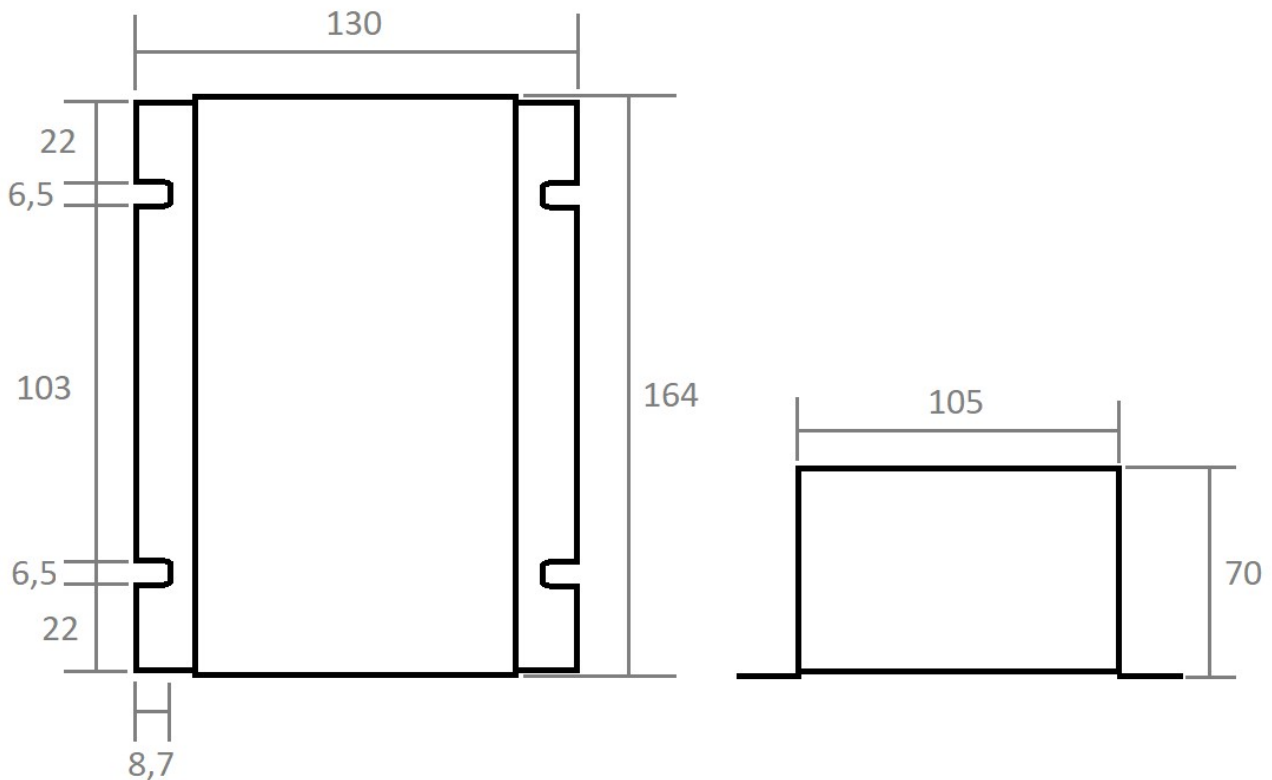
PIN	FUNCTION	SPECIFICATION AND REMARKS
1	Enable	TTL = HIGH
2	n.c.	
3	Interlock	(connect to GND)
4	GND	
5	V-Monitor*	
6	I-Monitor*	
7	I-Programm*	
8	Pulse control	
9	GND	
10	Output status	
11	Overcurrent indicator	
12	Overvoltage indicator	
13	TXD	
14	RXD	
15	GND	

*analogue interface only

MECHANICAL DRAWING

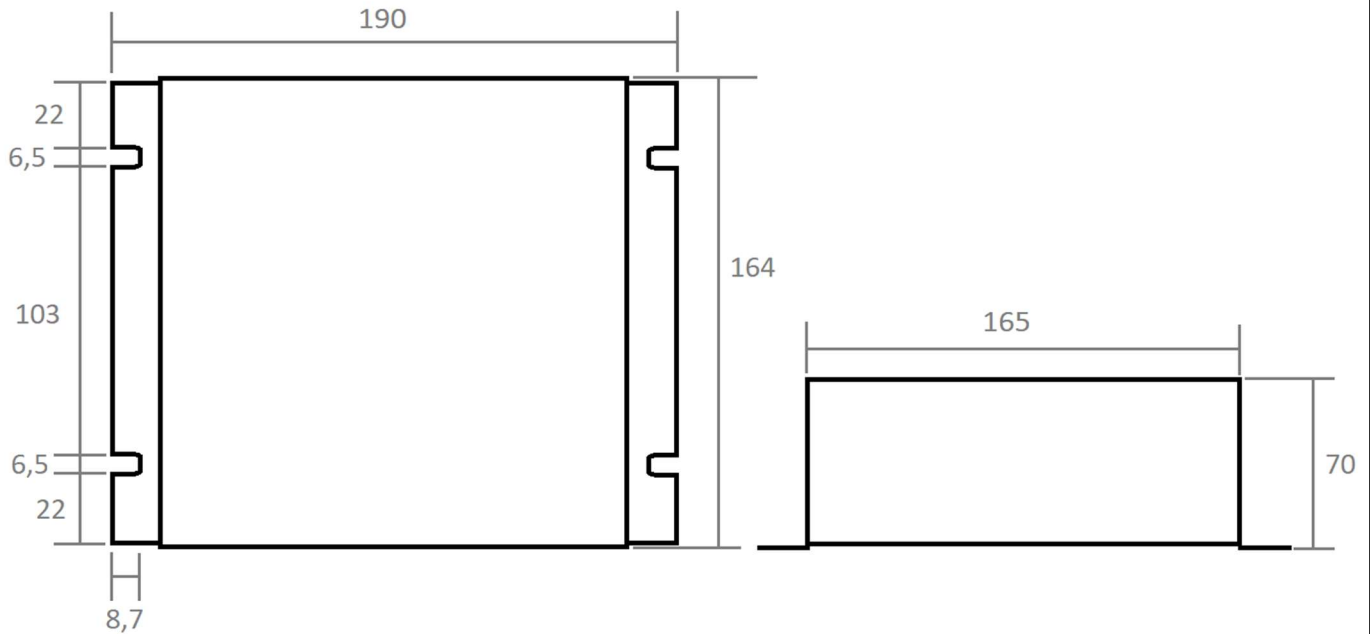
S500/S600:

All dimensions are in mm



S1000/S1200:

All dimensions are in mm



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