



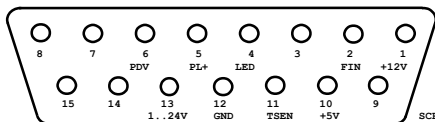
## Laser Driver

Type: ls11-la35v40-t19222-v1-321



Laser Current max.: 35A  
 Laser Voltage max.: 40V  
 trise, tfall < 29µs  
 Vin: 100~230VAC - 50/60Hz  
 External Analog or Digital Modulation  
 Internal Pulsegenerator  
 Bias Current option  
 Pilot Laser Supply  
 External Fan Support  
 Monitor Diode Input: 0.5V  
 Fibresensor Supply; 5V Supply

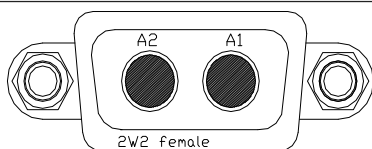
### Connector



Sub-D 15, female

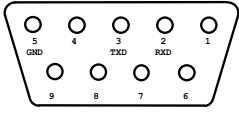
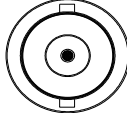
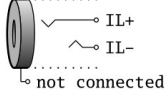
PIN.No	Abbr.	Function
1	+12V	Fibre Sensor Supply
2	FIN	Fibre Sensor Input
4	LED	LASER-RUN LED
5	PL+	PILOTLASER+ Pin
6	PDV	Photo-Diode Spannung 0..5V
10	+5V	Photo_Amp Supply 5V
11	TSEN	Temperature Sensor Input (NTC10K, LM35 or others)
12	GND	Common Ground
13	1..24V	1..24V Supply, max. 800mA (vs. GND) supports fan etc.
3;7;8;9;10 ;14;15	n.c.	
	SCR	Common Screen

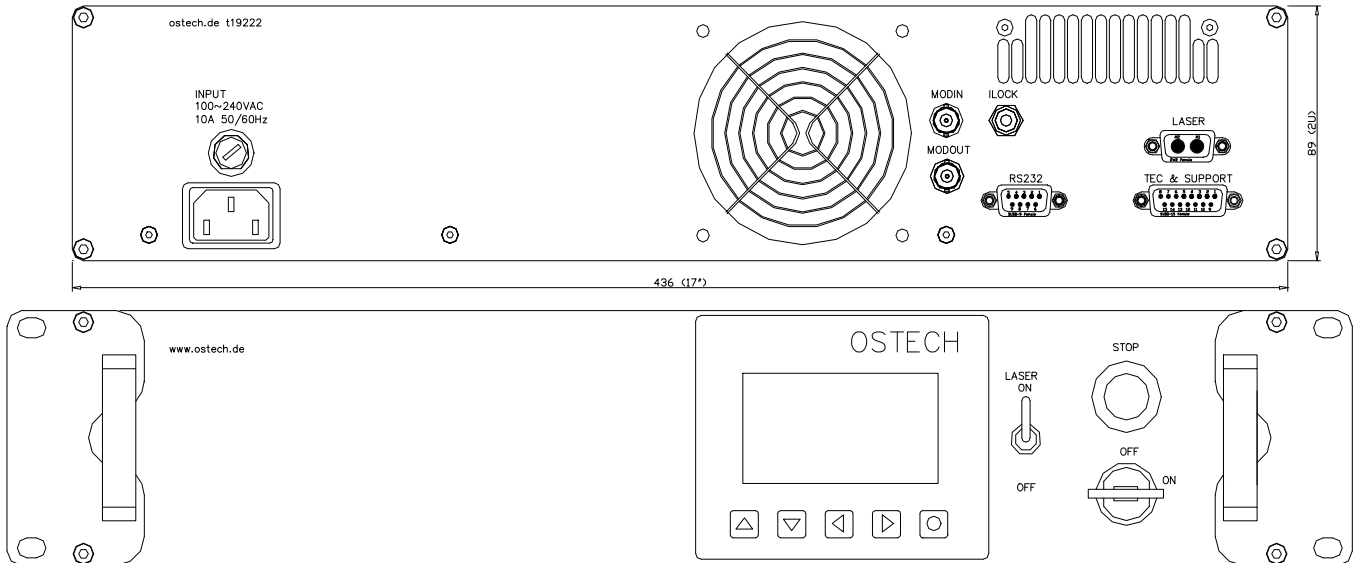
### Laser Connector



PIN.No	Abbr.	Function
A1	LDA+	Laser Diode Anode (+)
A2	LDC-	Laser Diode Cathode (-)

# Laser Driver

RS232 Connector	AMOD/DMOD Connector	Interlock Connector
 <p>Sub-D 9, female</p>	 <p>BNC Coaxial Connector</p>	 <p>Jack Connector 3.5mm</p>
Standard RS232-Connector connected to PC (No Null-Modem Cable !)	Input-Impdanz 10kOhm Digital Modulation with TTL-Pegel Analog Modulation 0-4[V] => 0-Imax[A]	Interlock - Laser runs only if closed (ca. 5mA over 2V -> $R_{Interlock} \leq 400\Omega$ )



Revision overview:  
2016.01.06: „v1“ - housing has changed to 19222, max. laser current limited from 36A to 35A