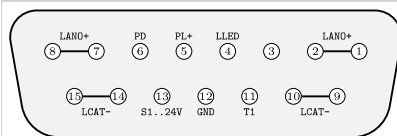


Type: ls11-la22v24-t9527-1150



- Laser max.: 22A – 24V
- trise-tfall < 25us (optional < 5us)
- Supply Voltage: 100~230VAC – 50/60Hz
- External, Analog and Digital Modulation
- Internal Pulse Generator
- Continuous Pulses, Single Pulse, Pulse Bursts,
- Internal or External Triggered
- Bias Current option
- Pilot Laser Supply
- External Supply max. 1..22V – 800mA for Fan etc.
- Photo Diode Current max. 4mA

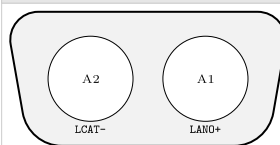
Laser Connector



SubD15-female / max. total laser current over this socket is 20A, otherwise use the SubD-2W2 connector

PIN.No	Abbr.	Function
1;2;7;8	LANO+	Laser Diode Anode (+)
4	LLED	Laser Active LED – Anode (+), ILED ca.5mA, vs. GND
5	PL+	Pilot Laser (+), vs. GND
6	PD	Photo Diode Cathode (-), vs. GND
9;10;14;15	LCAT-	Laser Diode Kathode (-)
11	T1	Temperature Sensor 1 Input, default NTC10kΩ , vs. GND
12	GND	Common Ground
13	S1..24V	1 bis 22V Supply, max. 800mA, vs. GND, supports fan etc.

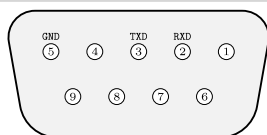
Laser Connector



SubD2W2-female

PIN. No	Abbr.	Function
A1	LANO+	Laser Diode Anode (+)
A2	LCAT-	Laser Diode Cathode (-)

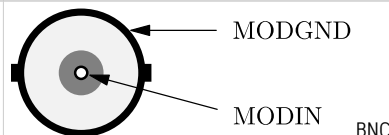
RS232 Connector



SubD-9, female

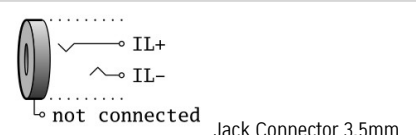
Standard RS232-Connector connected to PC
9600-Baud-8N1(No Null-Modem Cable !)

AMOD/DMOD Connector



Input-Impdanz 10kOhm
Digital Modulation with TTL-Pegel
Analog Modulation 0-4[V] => 0-Imax[A]

Interlock Connector



Interlock – Laser runs only if closed
(ca. 5mA over 2V -> R_{Interlock} <=400R)

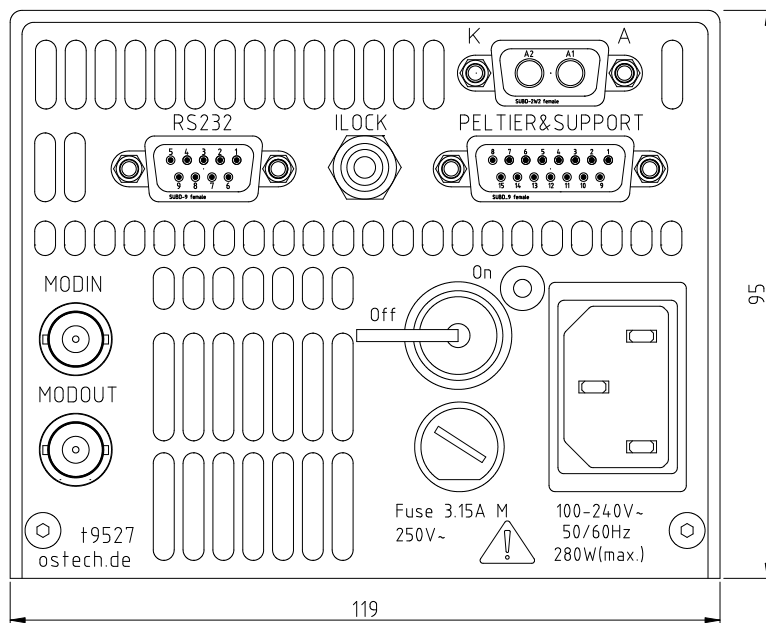


fig: ds01-Rear length 280mm (11")

Rsevision overview:

2026.01.01: "v0" - base derivation from type 448 v2 in ds11-t95 series

References:

<http://www.ostech.de/en/products/laser-drivers/ds11-t95>
<http://www.ostech.de/en/downloads/manuals/ds-en.pdf>
<http://www.ostech.de/en/downloads/labview>

Accessories

- acc-converter-usb-to-rs232-1m5-iso-417
RS232 to USB converter optical isolated with FTDI-Chip cable 1.5m
- kab-lpa08-16pol-subd15m-oe-1.5m-39
cable 16x0.35qmm / subd15-Gold-6,5A per pin to open end / length-1m5
- kab-la40-2pol-2W2male-oe-1.5m-286
cable 2x4qmm / imax-40A subd-2W2m-male to open-ends / length-1m5