

Technical data sheet ML-9S-635-1

Module of high resistance to mechanical accelerations intended for use a a laser gunpoint for guns and riffles



Technical data	
Safety class	2 acc. to PN-EN 60825-1:2014
Wave length	$\lambda = 635 \text{ nm} \pm 10 \text{ nm}$
Optic power	$0,9 \text{ mW} \pm 0,1 \text{ mW}$
Power supply	2.7 V - 6 V (preferred 3 V)
Current consumption	< 50 mA
Laser output beam diameter	$4.3 \text{ mm} \pm 0.5 \text{ mm}$
Beam divergence	< 2 mrad
Factory focusing length	$1.5 \text{ m} \pm 0.02 \text{ m}$ (external focus adjustment mechanism)
Housing and dimensions	Brass housing (optionally of stainless steel) with positioning adjustment cone =ca. 80° and rear radius $R = 1.5 \text{ mm}$, $\phi 11 \text{ mm} \times 22 \text{ mm}$
Cable	TLWY 2 x 0.124, length : $0.2 \text{ m} \pm 0.01 \text{ m}$
Cable labeling	(+)red, (-) blue
Guarantee	2 years

Note:

1. Negative pole of power supply is connected with laser housing.
2. Protect power supply against temporary surges exceeding 6V. In case of power supply from simple mains power supplies, one should first turn on mains power supply and then laser module power supply. Proceed on the contrary in case of turning off.
3. In industrial solutions the power supply for TS-35 strip and laser switching on LV side with the use of relay or contactor with "back-up" is preferred so that each 230V supply voltage loss requires subsequent turning on the laser on LV side with a mono-stabile switch

Other options of execution:

- Other powers, wave lengths
- Control input to remote laser switching with TTL level (model with a plus on housing).