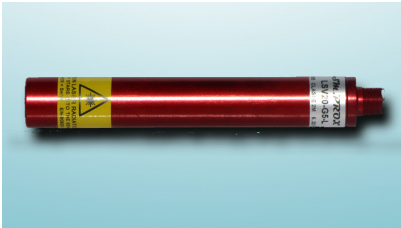
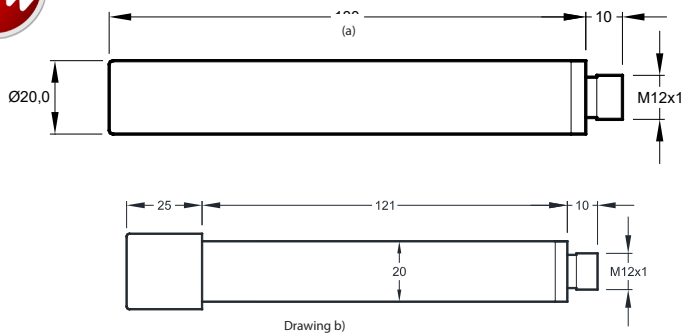


# LASER POINTER LSV20 SERIES - GREEN LIGHT - Ø20 - 20mW

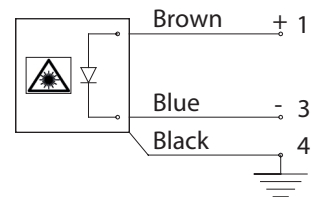


Laser pointer made of a high quality green laser diode, available with 520 nm wavelength and a power of 20mW. This laser pointer can generate a point, a line or a cross. On request different line length.

The new laser module permits applications with a wide temperature range. Thanks to the anodized aluminium housing and the protection glass, it is suitable for harsh applications or ambient with water.



Connection M12x1 connector



Accessories page 34

Type	LSV20-G20-520-P	LSV20-G20-520-X	LSV20-G20-520-PL90	LSV20-G20-520-PL90-CV2
Art. no.	SM318019	SM318020	SM319012	SM318018
Dimension	(a) 130mm	(a) 140mm	(a) 130mm	drawing (b)
Mounted lens	point	cross Plastics Diffractive Lens	line with lens 90° Glass Powell Lens	
Point diameter at 1 m	< Ø 5,0 mm ~	-	-	-
Cross dimension at 1 m	-	150x150 mm	-	-
Line length at 1 m di distanza Errore di linearità Line thickness	-	-	2000 mm 1 mm every 1000 mm < 3-4 mm	2000 mm 1 mm every 2000 mm < 3-4 mm
Power supply	6...24 Vdc / 6...12 Vac			
Power	20 mW			
Wavelength	520 nm			
Life time	≥ 10.000 h			
Beam divergence	1 mrad	-	-	-
Permitted temperature	-10°...+50°C			
Focus adjustment	no (focused at 1m)			
Warm-up	~ 5 minutes			
Current consumption	< 100 mA			
Reverse polarity and overvoltage protections	yes			
Housing material	anodized aluminum			
Connection	conn. M12x1 - 4 poles			
Degree of protection	IP67			
Safety protection class	3B	3R (*)	2M	2M

(\*) Without the ring for cross lens the safety protection class becomes 3B  
 For the classification of the laser systems: only in perfect conditions and supplied with DC power supply, the system can be specified in the safety class, according to the new regulations in force since 12/15.  
**READ THE INSTRUCTIONS CAREFULLY BEFORE ASSEMBLING**

Laser according to the standard EN 60825-1: 2015-12

**In case of disturbances or electrostatic charges connect Pin4 to the machine ground. See SM515001 at page 35.**

Ed. 12/19 - All specifications are subject to change without notice