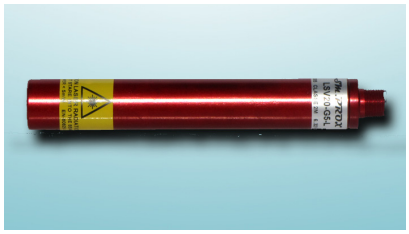
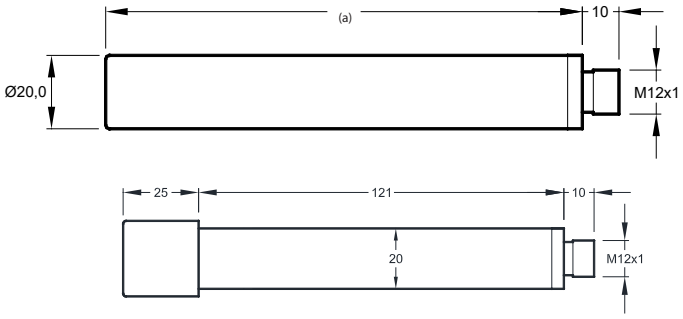
LASER POINTER LSV20 SERIES - GREEN LIGHT - ø20 - 20mW

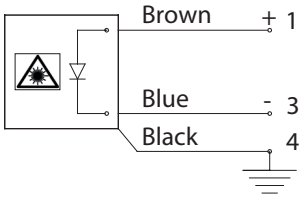


Laser pointer made of a hight quality green laser diode, available with 520 nm wavelength and a power of 20mW. This laser pointer can generate a point, a line or a cross. On request different line length.
The new laser module permits applications with a wide temperature range.
Thanks to the anodized aluminium housing and the protection glass, it is suitable for harsh applications or ambient with water.
The new 520nm diode allows for a wider temperature range (-10 ... + 50 ° C) and greater stability.

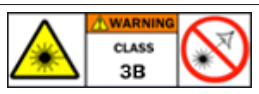
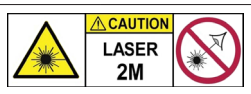


Drawing (b)

Connection M12x1 connector



Accessories page 52

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 distance	< Ø 5,0 mm ~	-	-	
Cross dimension at 1 m distance	-	150x150 mm	-	
Line length at 1m distance Linearity error Line thickness	-	-	2000 mm 1 mm every 1000 mm ~ 2-3 mm	2000 mm 1 mm every 2000 mm ~ 2-3 mm
Power supply	6...24 Vdc / 6...12 Vac			
Power	20 mW			
Wavelength	520 nm			
Life time at 20°C	≥ 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		 (*)		
(*) 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 53.				