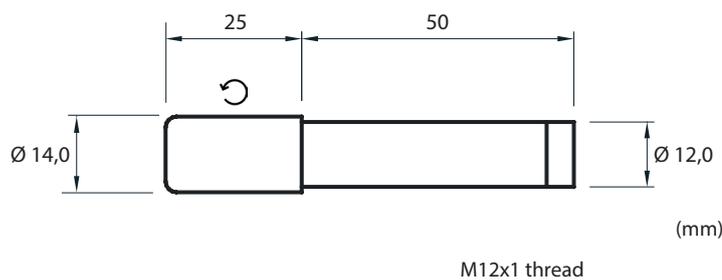


## LASER POINTER LSVR12 SERIES - RED LIGHT- $\varnothing 12$ - 3mW



Laser pointer made of a high quality red laser diode, available with 635 nm wavelength and a power of 3 mW.  
The focus can be adjusted.



Connection M12x1 connector



1 = Brown = Positive + Vcc.  
2 = Free  
3 = Blue = Negative GND  
4 = Free

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Type	LSVR12-635-3-T20-P-Y	LSVR12-635-3-T20-X-Y	LSVR12-635-3-T20-60-Y	LSVR12-635-3-T20-75-Y
Art. no.	SM315010	SM315011	SM315012	SM315013
Mounted lens	point	cross Plastics Diffractive Lens	line with lens 60° Glass Rod Lens	line with lens 75° Glass Rod Lens
Point diameter at 1 m distance	~ $\varnothing 2,5$ mm	-	-	-
Cross dimension at 0,5 m	-	75x75 mm	-	-
Cross dimension at 1 m distance	-	150x150 mm	-	-
Line length at 0,5 m	-	-	600 mm	1.500 mm
Line length at 1 m distance	-	-	1.100 mm	~ 3.000 mm
Power supply	5...24 Vdc			
Power	3 mW			
Wavelength	635 nm			
Beam divergence	0,5 mrad	-	-	-
Life time	$\geq 20.000$ h			
Permitted temperature	$-10^{\circ} \dots +50^{\circ}C$			
Focus adjustment	yes			
Tolerance of the lens for line	$\pm 15\%$			
Minimum line thickness	-	~ 1,5 mm	~ 2 mm	~ 1,5 mm
Current consumption	~ 10 mA typical			
Automatic control of the output power	yes			
Reverse polarity and overvoltage protections	yes			
Housing material	aluminum			
Connection	connector M12x1			
Degree of protection	IP67 ring / IP54 housing			
Safety protection class	3R	2M	2	2
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				

Ed. 03/2021 - All specifications are subject to change without notice