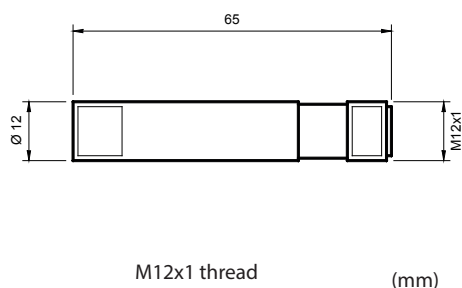


LASER POINTER LS12 SERIES - RED LIGHT - $\varnothing 12$ - 3mW



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



Connection M12x1 connector



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

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Type	LS12-635-3-T20-P-Y1	LS12-635-3-T20-X-Y1	LS12-635-3-T20-60-Y1
Art. no.	SM314005	SM305009	SM307005
Mounted lens	point	cross Plastics Diffractive Lens	line with lens 60° Glass Rod Lens
Point diameter at 1 m distance	~ $\varnothing 2,5$ mm	-	-
Cross dimension at 1 m distance	-	150 x 150mm	-
Line length at 1 m distance	-	-	1.100 mm
Power supply	5,0 Vdc		
Power	3 mW		
Wavelength	635 nm		
Beam divergence	0,5 mrad	-	-
Minimum line thickness	-	-	~ 1,5 mm
Life time	≥ 20.000 h		
Permitted temperature	$-10^{\circ} \dots +50^{\circ}C$		
Focus adjustment	yes, by screwdriver	no	no
Tolerance of the lens for line	$\pm 15\%$		
Current consumption	~ 40 mA typical		
Automatic control of the output power	yes		
Reverse polarity and overvoltage protections	yes		
Housing material	plastic		
Connection	plastic connector M12x1 - 4p		
Degree of protection	IP40	IP67	IP67
Safety protection class	3R	2M	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