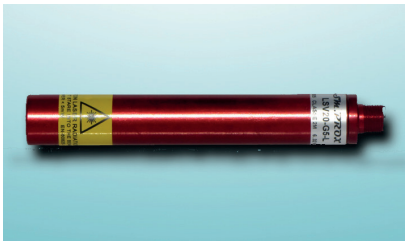
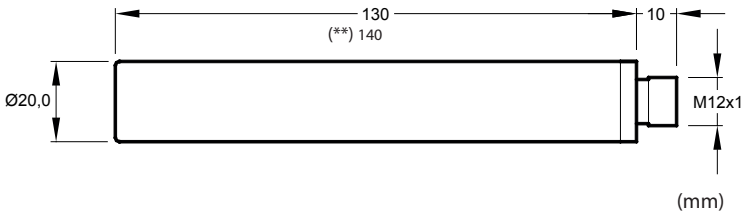
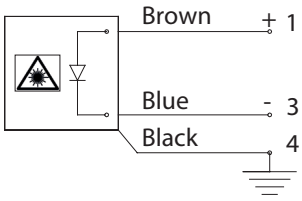
LASER POINTER LSV20 SERIES - RED LIGHT - ø20 - 20mW



Laser pointer made of a high quality red laser diode, available with 635 nm wavelength and a power of 20mW. This laser pointer can generate a point, a line or a cross. On request different lengths of line.
Thanks to the anodized aluminium housing and the protection glass, it is suitable for harsh applications or ambient with water.
On request 12...48Vdc / 6...24Vac power supply.
The Powell lens allows a constant line performance.



Connection M12x1 connector



Accessories page 39

Type	LSV20-R20-P	LSV20-R20-X (**)	LSV20-R20-L	LSV20-R20-PL90
Art. no.	SM314015	SM314016	SM312002	SM319036
Mounted lens	point	cross Plastics Diffractive Lens	line Glass Rod Lens	line Powell Lens
Line length at 1 m distance Line thickness Linearity error	-	-	4.000-6.000 mm	6.000-8.000 mm ~ 2-3 mm 1 mm every 1.000 mm
Point diameter at 1 m distance	Ø 5,0 mm ~	-	-	-
Dimension cross a 1 m distance	-	150x150 mm	-	-
Power supply	6...24 Vdc / 6...12 Vac			
Power	20 mW			
Wavelength	635 nm			
Beam divergence	0,5 mrad	-	-	-
Life time	≥ 20.000 h			
Permitted temperature	-10°...+50°C			
Focus adjustment	yes, by screwdriver	yes, by screwdriver	no	no
Current consumption	< 50 mA			
Reverse polarity and overvoltage protections	yes			
Housing material	anodized aluminum			
Connection	connector M12x1			
Degree of protection	IP40	IP67	IP67	IP67
Safety protection class	3B	3R (*)	2M	2M
(*) Without ring for cross lens, the safety protection 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 40.				