

Red laser pointer for use in the Ex zones (0)*,1,2 und (20)*,21,22



LPR-532 series



- > Optical power limitation according to IEC 60079-28
- > Type of protection Exd
- > No additional periphery necessary
- > Slim and robust M18 housing



Type description

Version	Point	Cross	Line
Laser, red, 532nm, class 2	LPR-532-PSS	LPR-532-KSS	LPR-532-LSS

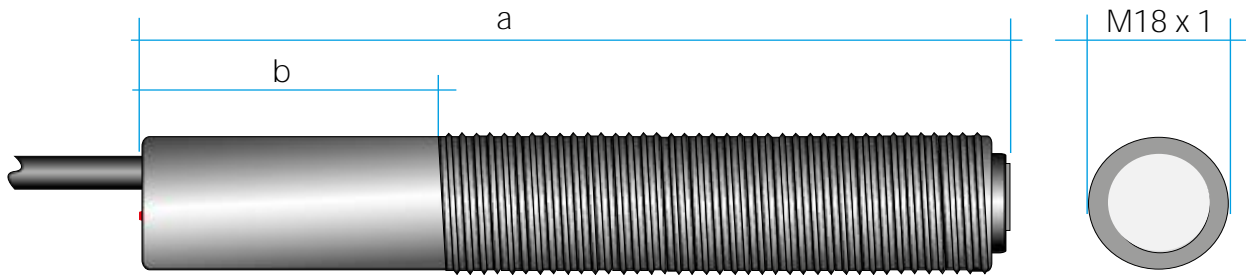
Version	Crosshairs	Circle
Laser, red, 532nm, class 2	LPR-532-FKSS	LPR-532-CSS

General properties

Type of Ex protection Gas, 2014/34/EU	II 2(1)G Ex d [op is Ga] IIC T4 Gb																							
Type of Ex protection Dust, 2014/34/EU	II 2(1)D Ex d [op is Ga] IIIC T135 Db IP67																							
Can be used in Ex zones	Zones (0)*,1,2 and (20)*,21,22																							
Light source	Laser, 532nm, red																							
Laser class	Class 2																							
Maximum radiant power	< 1mW																							
Laser lifetime (at 25°C)	5'000 h																							
Supply voltage	24 VDC +-10%, Um = Max. 30VDC																							
Power consumption	max. 95mA																							
Maximum power dissipation	2,5 W																							
Housing	M18 x 1, nickel-plated brass																							
Housing protection class according to EN 60529	IP 67																							
Working temperature range	0°C ... +40°C																							
Storage temperature range	-20°C ... +70°C																							
Resistance to vibration and shock	Vibration: 30g for 20Hz to 2kHz. Shock: 100g for 3ms																							
Connection cable	2x 0,5mm ² , + PE, TPU, shielded, cores numbered, halogen-free, length: 10m, towable, oil resistant																							
Version	●	+	—	⊕	○																			
	Point	Cross	Line	Crosshair	Circle																			
Cable assignment	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 20%;"></th> <th style="width: 20%;"></th> <th style="width: 20%;">Assignment</th> </tr> </thead> <tbody> <tr> <td>—○</td> <td>24Vdc</td> <td></td> <td>1</td> </tr> <tr> <td>—○</td> <td>PE/PA</td> <td></td> <td>Green-Yellow</td> </tr> <tr> <td>—○</td> <td>Cable shield</td> <td></td> <td>White</td> </tr> <tr> <td>—○</td> <td>0V</td> <td></td> <td>2</td> </tr> </tbody> </table>							Assignment	—○	24Vdc		1	—○	PE/PA		Green-Yellow	—○	Cable shield		White	—○	0V		2
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—○	Cable shield		White																					
—○	0V		2																					

* Light may enter the Ex zones 0 and 20

Dimensions in mm



a	b
135	40

Series options (not all combinations possible)

K:	Specific cable length up to max 100m (e.g. K:10 = 10m connection cable)
S229	Extended temperature range from -20°C to +50°C

Accessories

Accessories, all types	2x M18 nuts Warning sign laser class 2, self-adhesive
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Optional accessories

Optional accessories, all types	Clamps pair plastic Clamps pair metal Mounting bracket
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Important note

The manufacturer's assembly and installation instructions must be observed. These can be found on the original data sheets of the manufacturer and are available on request.