

Operating manual: LPG-532-GGA-ZA-S330 Laser pointer inside M18 housing



Type	LPG-532-GGA-ZA-S330											
Technical Data	Square / Cross-line											
Beam shape	II 2(1)G Ex d [op is Ga] IIC T4 Gb											
Gas Ex protection designation	II 2(1)D Ex d [op is Da] IIIC T135 Db											
Dust Ex protection designation	Zones (0), 1, 2, (20), 21, 22											
For use in Ex Zones	Laser, green, 532nm, class 2											
Light Source	Square = 12.6°, Cross-line = 15.2°											
Beam divergence angle	24 VDC ± 10%											
Supply voltage, Ue	30 VDC											
Absolute maximum supply voltage, Um	95mA											
Current consumption	2.5W											
Maximum power dissipation	M18, Material: Ms 58 nickel plated											
Housing	IP67											
Enclosure rating	0°C up to +40°C											
Ambient working temperature range, Tamb	-20°C up to +70°C											
Storage temperature range	Vibration: 30g over 20Hz to 2Khz. Shock: 100g for 3ms											
EMC, shock and vibration resistance	2 + PE x 0.5mm ² , TPU jacket, shielded, halogen-free, oil and solvent resistant, cable for trailing. Length: 5m											
Connection cable												
Accessories	Included	Optional										
	<ul style="list-style-type: none"> 1x Warning plate "LASER RADIATION. DO NOT STARE INTO BEAM. CLASS 2 LASER PRODUCT", self-adhesive for gluing near to the sensor. 	<ul style="list-style-type: none"> 1x clamp 										
Wiring and Connection	<table border="1"> <thead> <tr> <th style="text-align: center;">Lead-No</th> <th style="text-align: center;">Function</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">24 VDC ± 10%</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">0V</td> </tr> <tr> <td style="text-align: center;">yellow-green</td> <td style="text-align: center;">PE/PA</td> </tr> <tr> <td style="text-align: center;">white</td> <td style="text-align: center;">Cable shield</td> </tr> </tbody> </table>		Lead-No	Function	1	24 VDC ± 10%	2	0V	yellow-green	PE/PA	white	Cable shield
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1	24 VDC ± 10%											
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yellow-green	PE/PA											
white	Cable shield											
Dimensions												
EX related markings	CE 0158 Typ: LPG-532-GGA-ZA-S330 Gas: II 2(1)G Ex d [op is Ga] IIC T4 Gb ATEX: IECEx: Tamb: Manufacturing date:	Manufacturer with Address Electrical data according table Dust: II 2(1)D Ex d [op is Da] IIIC T135 Db PENDING PENDING 0°C up to +40°C Number 5 to 8 of the Serial Number (Year / CW)										
Safe equipotential bonding for Ex devices	Ensure local equipotential bonding by means of a corrosion-resistant PE connection.	<p>The end of the cable must be connected outside the hazardous locations. The cable shield is to connect to PE in a wide area.</p>										