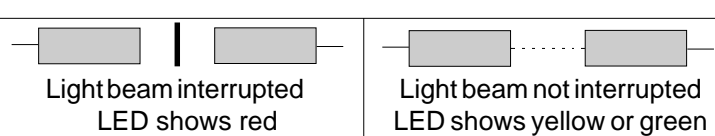
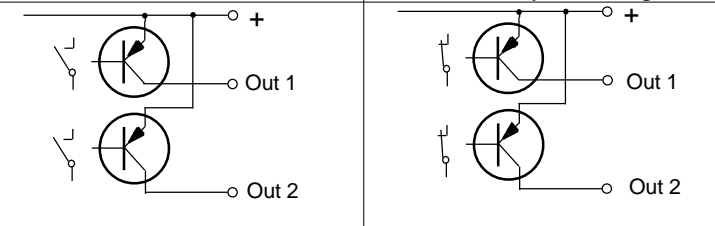
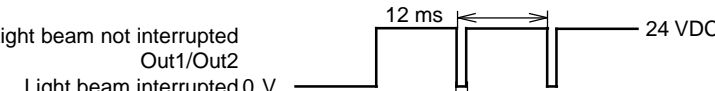


GARDIX Accident Protection Laser Light Barrier GX-E-L30-S/E



- Application for safety category 4, at EN 954-1
- Optimal alignment help by state indication in the receiver optic
- Optional with pollution indication output VA. Type GX-E-L30-S/E-VA
- Optional with integrated restart blocking system WAS. Type GX-E-L30-S/E-WAS
- Very high operational dependability (EMC)
- Electronic outputs

Technical data	Type	GX-E-L30-S/E																																
Denomination		S: Emitter / E: Receiver																																
Operating Distance		min.0,1m-max.30m																																
Minimum detectable object size		13mm																																
Laser class		Class II, 650nm visible red, Po <= 1mW																																
Beam pattern		maximum 4°																																
Output response time		12ms (Switch off the outputs)																																
Supply voltage		24 VDC (20 to 28VDC)																																
Current consumption		Receiver: 30 mA / Emitter: 50mA																																
Maximum power dissipation		Receiver: 0.84W / Emitter: 1.4W																																
Safety outputs		2 x PNP / max. 100mA / short circuit protected																																
Pollution indication output, optional		1 x PNP / max. 100mA / short circuit protected																																
Housing		Aluminum, yellow anodized																																
Housing, type GXE-E-L30-S/E S99/S114		M30, brass, nickel plated																																
Enclosure protection rating		IP 65 according EN 60529																																
Operating Temperature TA		-20°C < TA < +60°C																																
Cable GX-E, standard		2/4(5) x AWG24 (0.2mm ²) + Shield / L=5m																																
Cable GX-E-30-S/E S114		2/4+PE x 0,5mm ² + Shield / L=5m																																
Cable GX-E-30-S/E-VA S114		2/5+PE x 0,5mm ² + Shield / L=5m																																
Socket, type GX-E-L30-S/E S99		Socket M12, Lumberg type RSF 8, 8 terminals																																
Accessories included, all types		- 2 clamps M30 (Type S90/152: 4 nuts M30)																																
Accessories optional only type GX-E-.. S99		- Single ended cordset, straight type: RKTS 8-299/xx or right angle type: RKWTH 8-299/xx , Lumberg M12/8P																																
Options		- Also with cable length up to 100m, on request - GX-E-L30-S/E-VA: With integrated Pollution Indication Output (VA) - GX-E-L30-S/E-WAS: Or with integrated restart blocking system WAS - GX-E-L30-S/E S99: Socket M12: Lumberg RSF 8, 8 terminals - GX-E-L30-S/E-VA S114: Housing: Brass, with outside thread M30x1.5																																
LED display Output function																																		
Output and connection layout:																																		
<table border="1"> <thead> <tr> <th></th> <th>GX-E-</th> <th>WAS</th> <th>VA</th> </tr> </thead> <tbody> <tr> <td>+24VDC</td> <td>1 brown</td> <td>brown</td> <td>brown</td> </tr> <tr> <td>-</td> <td>2 black</td> <td>white</td> <td>white</td> </tr> <tr> <td>Output 1</td> <td>3 red</td> <td>green</td> <td>green</td> </tr> <tr> <td>Output 2</td> <td>4 orange</td> <td>grey</td> <td>grey</td> </tr> <tr> <td>Release WAS5</td> <td>--</td> <td>yellow</td> <td>--</td> </tr> <tr> <td>Out VA</td> <td>5 --</td> <td>--</td> <td>yellow</td> </tr> <tr> <td>Shield, connect to PE or Minus (-)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		GX-E-	WAS	VA	+24VDC	1 brown	brown	brown	-	2 black	white	white	Output 1	3 red	green	green	Output 2	4 orange	grey	grey	Release WAS5	--	yellow	--	Out VA	5 --	--	yellow	Shield, connect to PE or Minus (-)					
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Out VA	5 --	--	yellow																															
Shield, connect to PE or Minus (-)																																		
Characteristic of output signal																																		
Alignment and controlling by LED Display		LED red: Light beam interrupted / not aligned LED yellow: Dirt on lenses / badly aligned LED green: Light beam free / well aligned LED red flashing: Disturbance																																
For mounting and operation is the operating manual necessary.																																		

