



12. Digital outputs – 1 channel power supplies




Principle of a galvanic insulation and reminders concerning I.S.

General specifications for galvanic insulation interfaces

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Use of galvanic insulation

Table of equivalent references according to type of assembly

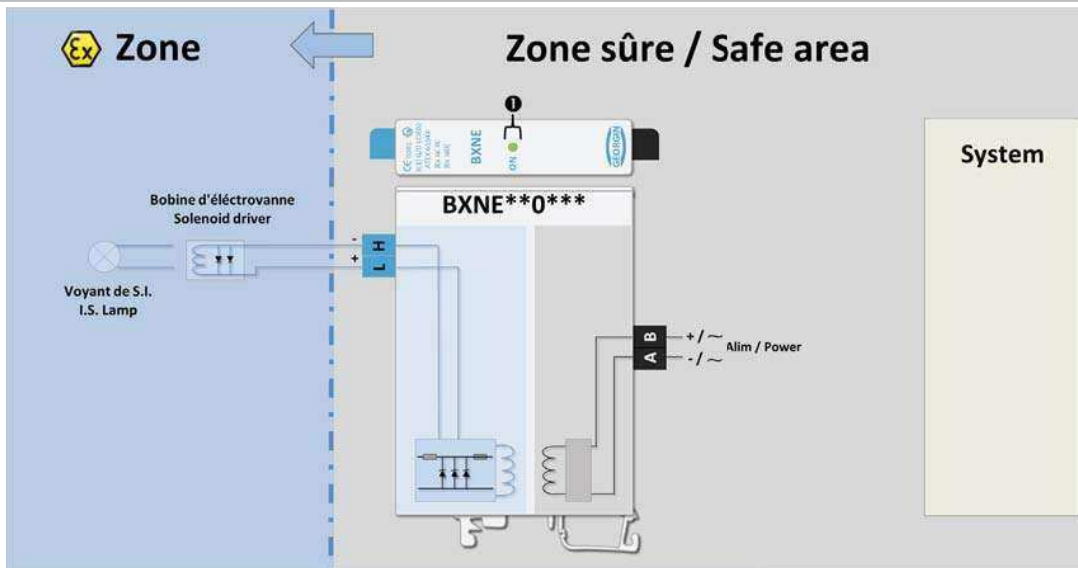
Ref.	Description (see technical data sheet for further information)	IS parameters ATEX marking												
BXNE**0***	<p>The BXNE is an intrinsically safe power supply. The BXNE**0 version provides constant power. It is not equipped with a remote control.</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Model</th> <th>Number of channels</th> <th>Options</th> <th>Power supply</th> </tr> </thead> <tbody> <tr> <td rowspan="2">BXNE</td> <td rowspan="2">** Voltage and output current (depending on curve)</td> <td rowspan="2">0 1 channel Without remote control</td> <td>00 No option</td> <td>E 110 / 230 V AC</td> </tr> <tr> <td>B0 Screw terminals</td> <td>2 24/48 V DC</td> </tr> </tbody> </table> <p>① Green LED to indicate power is supplied to the module.</p>	Type	Model	Number of channels	Options	Power supply	BXNE	** Voltage and output current (depending on curve)	0 1 channel Without remote control	00 No option	E 110 / 230 V AC	B0 Screw terminals	2 24/48 V DC	<p>LH terminals: See BXNE curves (depends on the version)</p> <p>Marking: II(1)G [Ex ia] IIC II(1)D [Ex iaD] IIC Certificate: 02ATEX6104X</p> 
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BXNE**1***	<p>The BXNE is an intrinsically safe power supply. The BXNE**1 version is equipped with a 24 V DC remote control (E+F-). A 24 V input voltage (E+F-) therefore actuates the relay, which actuates the output (L+H-).</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Model</th> <th>Number of channels</th> <th>Options</th> <th>Power supply</th> </tr> </thead> <tbody> <tr> <td rowspan="2">BXNE</td> <td rowspan="2">** Voltage and output current (depending on curve)</td> <td rowspan="2">1 1 channel With one 24 V DC remote control</td> <td>00 No option</td> <td>E 110 / 230 V AC</td> </tr> <tr> <td>B0 Screw terminals</td> <td>2 24/48 V DC</td> </tr> </tbody> </table> <p>① Green LED to indicate power is supplied to the module. Red LED to indicate the activation of the 24 V DC remote control (E+F-)</p>	Type	Model	Number of channels	Options	Power supply	BXNE	** Voltage and output current (depending on curve)	1 1 channel With one 24 V DC remote control	00 No option	E 110 / 230 V AC	B0 Screw terminals	2 24/48 V DC	<p>LH terminals: See BXNE curves (depends on the version)</p> <p>Marking: II(1)G [Ex ia] IIC II(1)D [Ex iaD] IIC Certificate: 02ATEX6104X</p> 
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BXNE**A***	<p>The BXNE is an intrinsically safe power supply. The BXNE**A version is equipped with two 24 V DC remote controls (E+F-) and (C+D-). A 24 V DC voltage on (E+F-) or on (C+D-) activates the output (L+H-).</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Model</th> <th>Number of channels</th> <th>Options</th> <th>Power supply</th> </tr> </thead> <tbody> <tr> <td rowspan="2">BXNE</td> <td rowspan="2">** Voltage and output current (depending on curve)</td> <td rowspan="2">A 1 channel 2 x 24 V DC remote controls (OR function)</td> <td>00 No option</td> <td>E 110 / 230 V AC</td> </tr> <tr> <td>B0 Screw terminals</td> <td>2 24/48 V DC</td> </tr> </tbody> </table> <p>① Green LED to indicate power is supplied to the module. 2 x red LED to indicate activation of the 24 V DC controls (1 LED per control).</p>	Type	Model	Number of channels	Options	Power supply	BXNE	** Voltage and output current (depending on curve)	A 1 channel 2 x 24 V DC remote controls (OR function)	00 No option	E 110 / 230 V AC	B0 Screw terminals	2 24/48 V DC	<p>LH terminals: See BXNE curves (depends on the version)</p> <p>Marking: II(1)G [Ex ia] IIC II(1)D [Ex iaD] IIC Certificate: 02ATEX6104X</p> 
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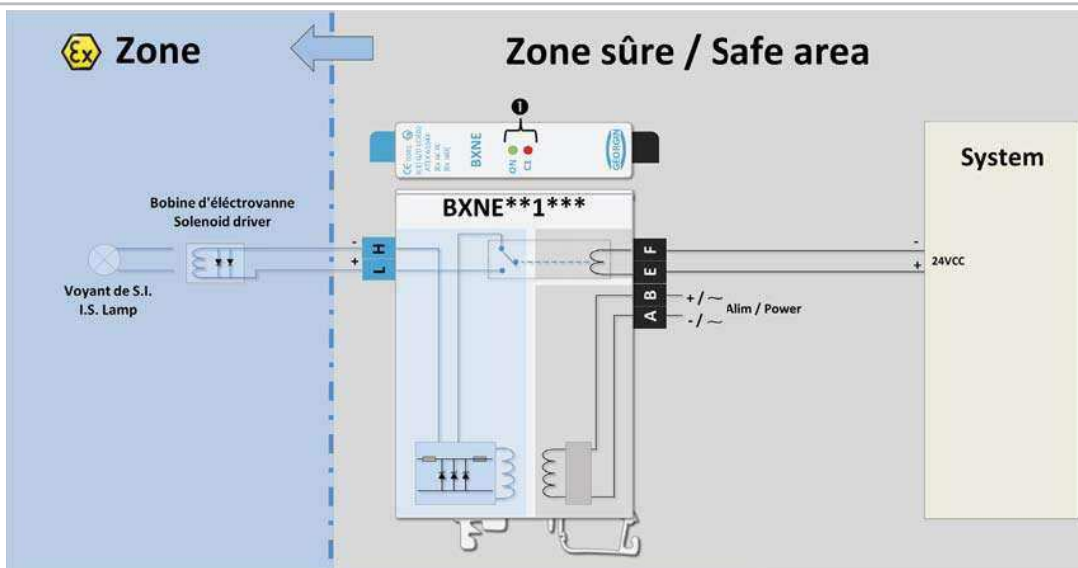


Explanatory diagram

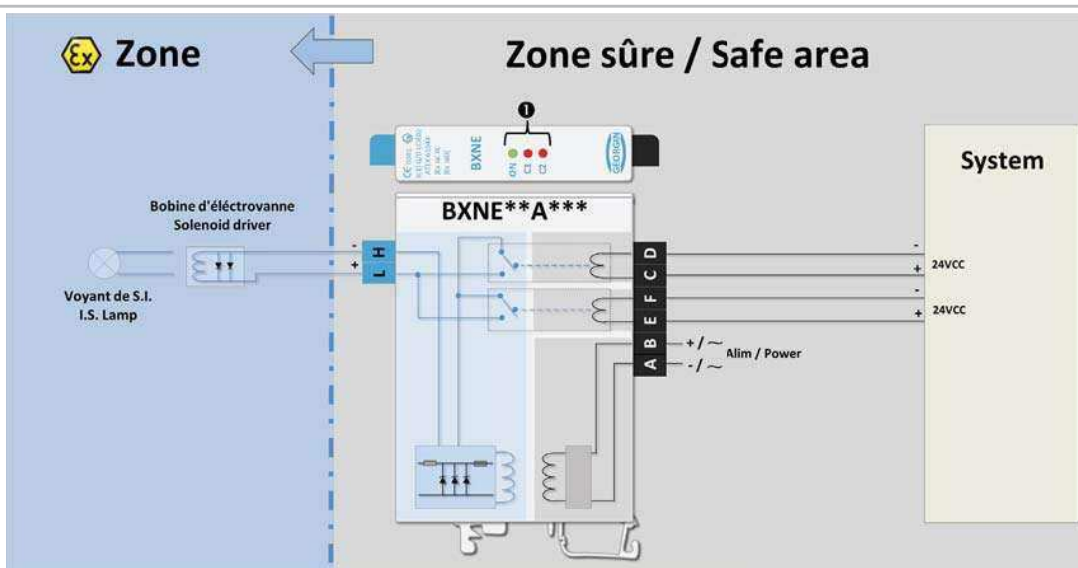
I/O



1 channel without remote control



1 channel with 1 x 24 V DC remote control



1 channel with 2 x 24 V DC remote control
(OR function)

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