



IS interfaces

4. Analog inputs – isolator

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

General specifications for galvanic insulation interfaces

Selection guide

Use of galvanic insulation

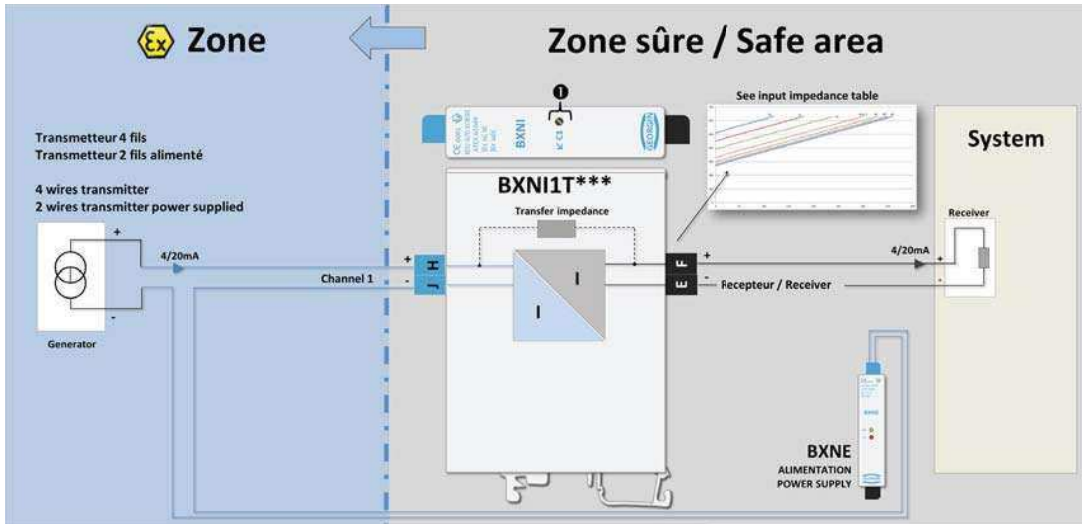
Table of equivalent references according to type of assembly

Ref.	Description (see technical data sheet for further information)	IS parameters ATEX marking																					
BXNI1T	<p>The BXNI1T is a passive 4/20 mA signal isolator (it does not supply power to equipment in a hazardous area). The voltage source is located in the hazardous area: the module isolates the 4/20 input signal (J+H-) and sends it to a passive system in the safe area. When the signal is transferred from the hazardous area to the safe area, the transfer impedance specific to the BXNI1T must be taken into account (see example on p. 34-35).</p> <table border="1"> <thead> <tr> <th>Type</th> <th colspan="2">Number of channels</th> <th colspan="2">Model</th> <th colspan="2">Option</th> </tr> </thead> <tbody> <tr> <td>BXNI</td> <td>1</td> <td>1 channel</td> <td>T</td> <td>IS signal towards NIS</td> <td>00</td> <td>No option</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>B0</td> <td>Screw terminals</td> </tr> </tbody> </table> <p>① Adjustment potentiometers of the 4/20 mA output curve (1 per channel).</p>	Type	Number of channels		Model		Option		BXNI	1	1 channel	T	IS signal towards NIS	00	No option						B0	Screw terminals	<p>HJ terminals: Ui: 66 V Ii: 100 mA Ci: insignificant Li: insignificant</p> <p>Marking: II(1)G [Ex ia] IIC II(1)D [Ex iaD] IIC Certificate: 02ATEX6104X</p>
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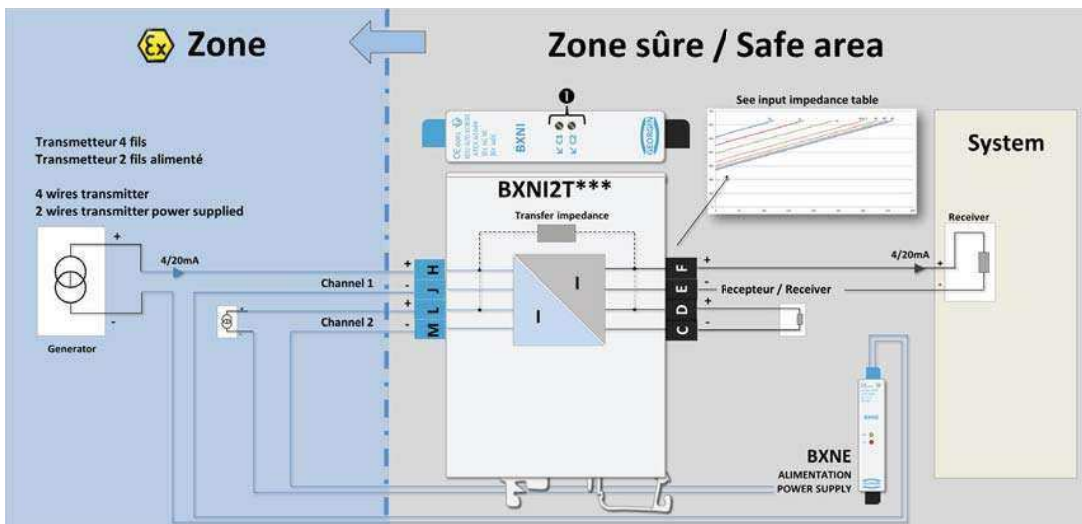


Explanatory diagram

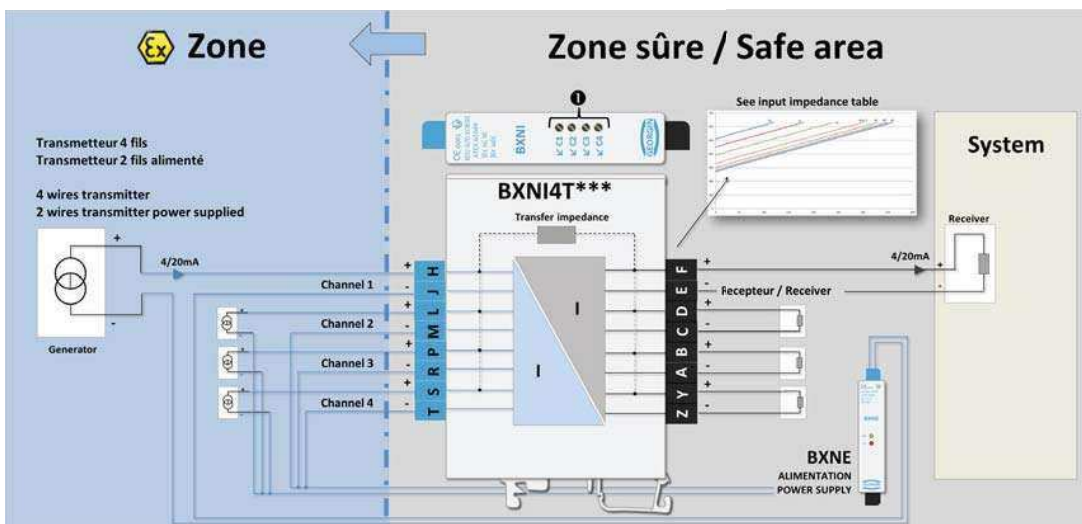
I/O



1 Input / 1 Output



2 Inputs / 2 Outputs



4 Inputs / 4 Outputs

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