

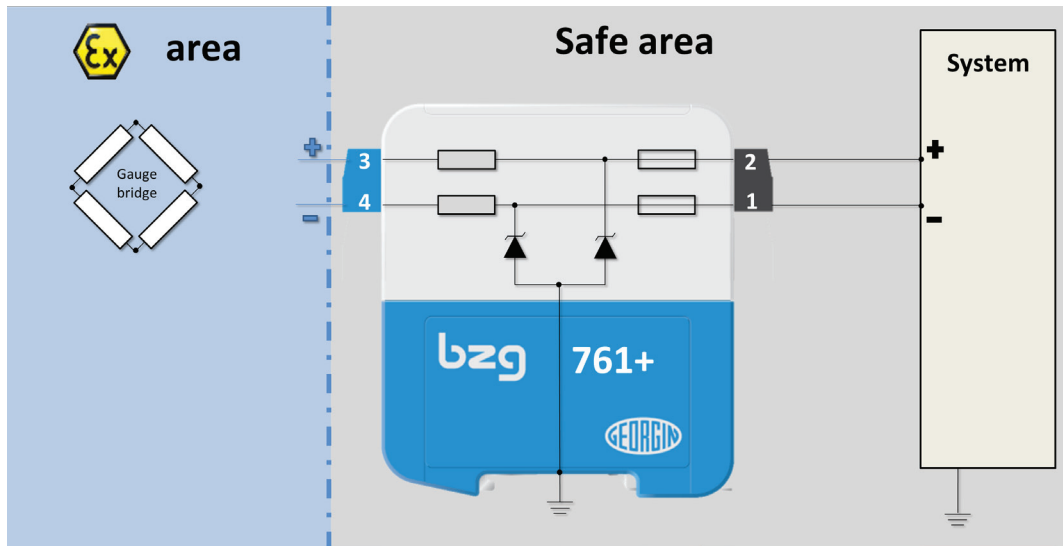
## ■ Function\*

Zener barrier to insulate process signals:

- Gauge bridge supplies

\*Non-exhaustive list. Contact us for more details

## ■ Type scheme



## ■ Metrological parameters

U(na) (V)	I(na) (mA)	Terminals	I(t) (µA)	U(e) (V)	Terminals	U(a) (V)	Ifm (mA)	RL (Ω)	Tol. +/- (%)	Pol.
8	100	2/T 1/T	10 10	7.00 7.00	2/3 1/4	9.2 9.2	100 100	50.6 50.6	5 5	+

U(na): Maximum use voltage in Ex nA [ia] for a T4 class of temperature: -20°C / +60°C

I(na): Maximum use current in Ex nA [ia] for a T4 class of temperature: -20°C / +60°C

U(e): Voltage for which a leakage current lower or equal to I(t) is assured

U(a): Maximum voltage input

RL: Line resistance

Tol: Tolerance of line resistance

Ifm: Maximum current that can pass through the barrier (without destruction)

T: Ground

/: On

## ■ Intrinsic safety parameters

Terminals	Ro (Ω)	Uo (V)	Io (mA)	Po (mW)	Lo IIC (µH)	Co IIC (µF)	L/R IIC (µH/Ω)	Lo IIB (µH)	Co IIB (µF)	L/R IIB (µH/Ω)
3/T	44.67	9.56	214	511.19	776.41	3.6	69.55	3105.62	26	278.22
4/T	44.67	9.56	214	511.19	776.41	3.6	69.55	3105.62	26	278.22
<b>3/4</b>	<b>89.34</b>	<b>10.26</b>	<b>114.84</b>	<b>294.41</b>	<b>2696.12</b>	<b>2.63</b>	<b>120.77</b>	<b>10784.48</b>	<b>18</b>	<b>483.07</b>
3/T//4/T	22.34	9.56	428.00	1022.37	194.10	3.6	34.78	776.41	26	139.11

T: Ground

//: Parallel

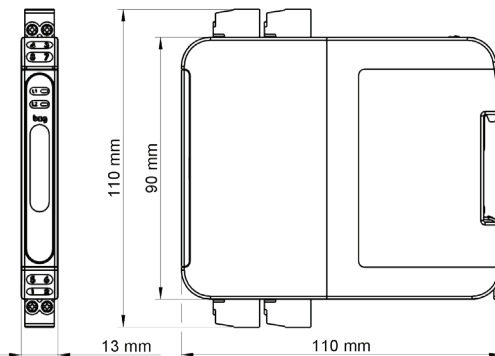
/: On

### ■ Certifications

<b>ATEX certificate:</b>	11ATEX0024X
<b>IECEX certificate:</b>	INE 11.0009X
<b>Marking:</b>	CE0081 II (1) GD [Ex ia Ga] IIC ou [Ex ia Ga] IIB ou [Ex iaD Da] IIIC CE0081 II 3 (1) G Ex nA [ia Ga] IIC T4 Gc
<b>ATEX</b>	EN 60079-0 / EN 60079-11 / EN 60079-15 / EN 61241-11 / EN 61241-0
<b>IECEX</b>	IEC 60079-0 / IEC 60079-11 / IEC 60079-15 / IEC 61241-11 / IEC 61241-0
<b>C.E.M.</b>	EN 61326-1 & IEC61000-6-2
<b>D.B.T.</b>	NFC 15-100
<b>SIL</b>	EN 61508 (SIL 2 or SIL 3 according to application)

### ■ Mechanical features

Material	Polycarbonate
Weight	≈200g
Mounting	On Din-rail
Stockage T°	-25 to 70°C
Operating T°	-20° to 60°C
Relative humidity	5 to 80% without condensation
Protection index	IP 20
Size:	



### ■ Electrical wiring

Electrical wiring	Removable screw terminals for 0.2 to 2.5mm <sup>2</sup> cable
Marking	Blue terminals for the ATEX area Black terminals for the safe area
Ground wiring	Fix screw terminal for 4mm <sup>2</sup> cable

### ■ Location

Safe area  
Zone 2 in an IP 54 housing (minimum)

### ■ Options

Led in front: no  
Removable lable holder: yes  
Din-rail isolator: contact us