

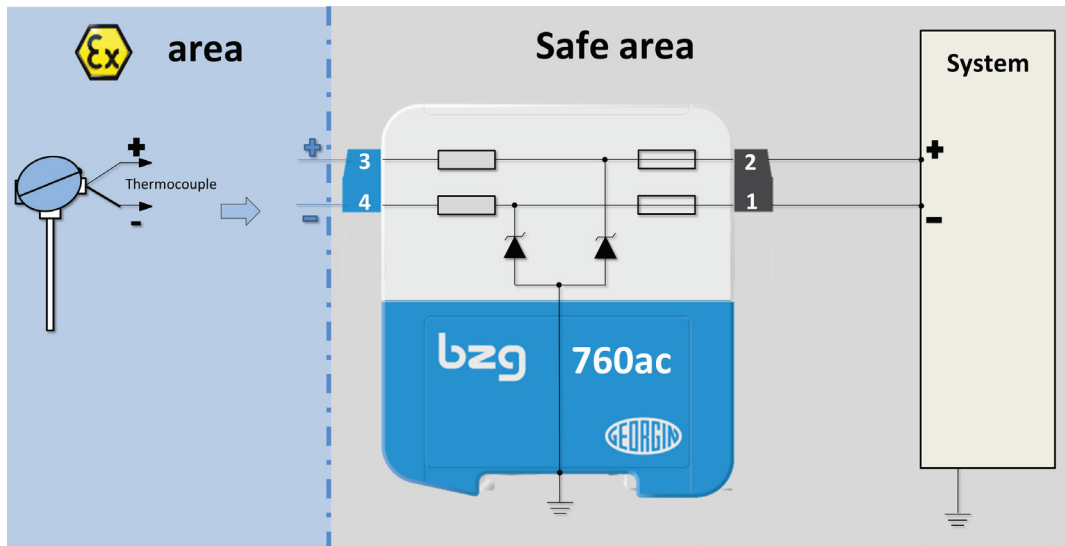
■ Function*

Zener barrier to insulate process signals:

- Thermocouples

*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.
1	100	2/T 1/T	10 10	1.20 1.20	2/3 1/4	4.6 4.6	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	44.69	4.94	110.53	136.36	2910.56	100	260.74	11642.23	1000	1042.98
4/T	44.69	4.94	110.53	136.36	2910.56	100	260.74	11642.23	1000	1042.98
3/4	89.38	5.64	63.10	88.89	8929.41	54	399.97	35717.62	1000	1599.89
3/T//4/T	22.35	4.94	221.05	272.72	727.64	100	130.37	2910.56	1000	521.49

T: Ground

//: Parallel

/: On

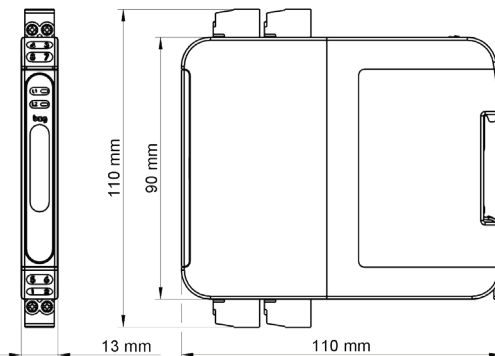
■ Certifications

ATEX certificate:	11ATEX0024X
IECEX certificate:	INE 11.0009X
Marking:	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
ATEX	EN 60079-0 / EN 60079-11 / EN 60079-15 / EN 61241-11 / EN 61241-0
IECEX	IEC 60079-0 / IEC 60079-11 / IEC 60079-15 / IEC 61241-11 / IEC 61241-0
C.E.M.	EN 61326-1 & IEC61000-6-2
D.B.T.	NFC 15-100
SIL	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 ² cable
Marking	Blue terminals for the ATEX area Black terminals for the safe area
Ground wiring	Fix screw terminal for 4mm ² 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