

▶ BG2E

ATEX break glass call point



Product description

The ATEX "Ex ed" + BG2E break glass call point is used to trigger gas or fire detection alarms.

It is specially designed to withstand harsh environments found in industry.

▶ Assets

- Protective cover for "double action" application
- In line series and End of line resistors available
- Delivered with test key
- No corrosion with its GRP body (Polyester reinforced with fiber-glass) and stainless steel screws
- Mechanically very robust
- Very high waterproofing degree IP66 and IP67
- Gas and dust certification

Codification

Code	Description
821 101	BG2E-ATEX, 2xM20, NO/NC, red
821 103	BG2E-ATEX, 2xM20, NO/NC, red, Rs = 1KΩ, RFdl = 90 4,7Ω
821 105	BG2E-ATEX, 2xM20, NO/NC, red, Rs = 1KΩ
821 107	BG2E-ATEX, 2xM20, NO/NC, red, Rs = 910Ω, RFdl = 90 3,9Ω
821 109	BG2E-ATEX, 2xM20, NO/NC, red, Rs = 910Ω

Technical specifications

ATEX certification:

- BG2E: Ex II 2 GD - EExed IIC T6 or EExedm IIC T4 with resistors or diodes
- BG2I: Ex II 1 GD - EExia IIC T4

Use zones:

- BG2E: Zones 1, 2, 21 and 22 for gas and dust risks
- BG2I: Zones 0, 1, 2, 20, 21 and 22 for gas and dust risks

Certification temperature:

- BG2E: from -20°C to + 50°C
- BG2I: from -40°C to + 50°C

Waterproofing: IP66 and IP67

Contact / breaking capacity:

- 1 NO / NC changeover contact
- 1 NO or NC contact if integration of resistors / diodes
- BG2E: From 0 to 30 Vcc = 5A resistive or 3A inductive, and from 30 to 50 Vcc = 1A resistive or inductive
From 0 to 254 Vac = 5A resistive or inductive
- BG2I: Non applicable

Material:

Glass fiber reinforced Polyester (GRP) body, stainless steel screws

Finish: Red paint

Threads:

- Standard: 2x M20 from the bottom
- Cable gland to be defined based on used cable

Terminal block: 6 x 2.5 mm² terminals

Weight and dimensions:

- 1, 2 Kg
- 120 x 126 x 75 mm

Options:

- Polycarbonate protective cover (double action)
- Resistors or diodes (2 maximum). Minimum value series resistance = 100 Ω and end-of-line resistance = 250 Ω
- Deformable membrane (instead of standard glass)
- Non ATEX waterproof version (IP66 & 67) : BG2W
- SI barrier for BG2I

Information:

- Test key provided for each break glass call point
- Standard European markings: front marking "F + flame", glass marking " → • ← "
- EExed version: resistors / diodes are molded (encapsulated) and connected at the factory (EExedm).
- EExia version: power supply via a suitable IS barrier