



国家防爆

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

Cert. No.: CNEx18.4780X

Manufacturer Eaton MEDC LIMITED
Unit B, Sutton Parkway, Oddicroft Lane, Sutton-in-Ashfield,

Name of Product MANUAL CALL POINT

Type of Product PBI BGI

Marking Ex ia IIC T4 Ga
Exia IIIC T135°C Da

Drawing No. 280-657 issue D, 380-448 issue A

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements
GB 3836.4-2010 Explosive atmospheres - Part 4: Equipment protection by intrinsic safety "i"

Note

1. Service temperature: $-40^{\circ}\text{C} \leq T_a \leq 70^{\circ}\text{C}$
2. IP code: IP66/67
3. This certificate is only valid in combination with the related Annex(1 page)
4. Please read and understand the special conditions for safe use as stated in the Annex to this certificate

Valid Date From Sep 29, 2018 to Sep 28, 2023

Issue Date Sep 29, 2018

Director



**CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS**

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Note: This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).

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This product has been certified under Baseefa03ATEX0084X with supplementary Baseefa03ATEX0084X/6 dated on 2016-09-14.

Product description:

The manual call point types PBI and BGI are designed to initiate an electrical signal when the alarm switches is operated. Alternative version can provide local LED indication.

The unit comprises a polyester enclosure, terminal block and a push button switch under a flap (Type PBI) or a piece of glass (Type BGI). Different versions contain resistors and/or Zener diodes. These components may optionally be mounted on an encapsulated PCB. An optional end-of-line resistor may be added.

External connections are made at the terminals via gland entries at the bottom of the unit.

Input parameters of the manual call point types PBI and BGI:

Group IIC(Ex ia IIC T4 Ga)

Ui=30 V; li=147mA; Pi=0.8W; Ci=0; Li=0

Group IIIC (Ex ia IIIC T135°C DA)

Ui=28 V; li=93mA; Pi=0.65W; Ci=0; Li=0

Special conditions for safe use:

The manual call point type PBI and BGI have plastic enclosures which must only be cleaned with a damp cloth to avoid the danger of ignition due to a build up of an electrostatic charge.

The Manual Call Point must only be fitted with certified Ex e glands and blanking plugs that will maintain ingress protection to at least IP6X.

The manual call point type PBI and BGI must be equipped with suitable safety barrier(Ex-code; [Exia Ga] IIC)when being put into service.

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