(1) # EU-TYPE EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number

TÜV 20 ATEX 8609 X Issue: 01

(4) Equipment: **Ex flameproof cable gland**

Type(s): BST-Exd-SS series, BST-Exd-SSF series, BST-Exd-DS series, BST-Exd-SST series and BST-Exd-SSFT series

(5) Manufacturer: **Beisit Electric Tech (Hangzhou) Co., Ltd.**

(6) Address: **No. 1 Tangmei Road, Yuhang Economic-Technological Development Area, 311100 Hangzhou, Zhejiang, China**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex8609.01/20

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018 EN 60079-1:2014 EN IEC 60079-7:2015+A1: 2018 EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:

I M2 Ex db I Mb / Ex eb I Mb
II 2 G Ex db IIC Gb / Ex eb IIC Gb
II 1 D Ex ta IIIC Da IP66/IP68

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2021-09-27

Dipl.-Ing. He Mei

ATEX Notified body 0035 TÜV Rheinland Industrie Service

This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
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(13) Annex

(14) # EU Type Examination Certificate

TÜV 20 ATEX 8609 X Issue: 01

(15) Description of equipment

15.1 Equipment and type:

Ex flameproof cable gland
Type(s): BST-Exd-SS series, BST-Exd-SSF series, BST-Exd-DS series,
BST-Exd-SST series and BST-Exd-SSFT series

15.2 Description

General product information

The BST-Exd series cable glands are metallic and are intended to terminate non-armoured cables into Ex db, Ex eb or Ex ta enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice.

The model BST-Exd-SS provides single seal. The structure consists of a fittings body (metal), a pressing nut (metal), a circular sealing ring (non-metal) and two flat sealing gaskets (non-metal). Provides M and NPT threads for connection.

The model BST-Exd-DS provides double seal. The structure consists of a fittings body (metal), a pressure nut (metal), two circular sealing rings (non-metal) and two flat sealing gaskets (non-metal). Provides M and NPT threads for connection.

As The cable glands of BST-Exd-SS, model BST-Exd-SST provides an addition sealing nut for connecting with Flexible Conduit.

The model BST-Exd-SSF consists of a fittings body (metal), a pressing nut (metal), a circular sealing ring (non-metal), a flat sealing gasket (non-metal) and a parking barrel for encapsulation. Provides M and NPT threads for connection.

As the cable glands of BST-Exd-SSF, the model BST-Exd-SSFT provides an addition sealing nut for connecting with Flexible Conduit.

Suit for explosive atmosphere zone 1, zone 2, zone 20, zone 21 and zone 22; applicable to IIC gas zone and IIIC dust zone.

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Environmental data
Service temperature: -60°C to +130°C
Ingress protection: IP66/IP68 (10m, 8h)

(16) Test-Report No. GC/Ex8609.01/20

(17) Special Conditions for safe use

1. Specific guidance noted to contact the original manufacturer for information on the dimension of the flameproof joints.
2. Service temperature: -60 to +130ºC.
3. In Group I for mines susceptible to fire damp environment, cable glands were tested for low risk of mechanical danger. Hence, cable gland shall be protected against high risk of mechanical danger.
4. In Group I for mines susceptible to fire damp environment, cable gland shall be protected against chemical agents, such like oils, greases and hydraulic liquids for mining application.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2021-09-27

ATEX Notified Body • TÜV Rheinland Industrie Service 0035

Dipl.-Ing. He Mei

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