



(1) **Type Examination Certificate**
TRANSLATION

(2) Equipment and Protective Systems Intended for Use in
Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Number of Type Examination Certificate:

TPS 22 ATEX 109833 0003 X

Revision 01



(4) Equipment: Grounding Clamp
Type: TIMM... Bite...

(5) Manufacturer: Timm Technology GmbH

(6) Address: Senefelder-Ring 45
21465 Reinbek
Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this Type Examination Certificate and the documents therein referred to.

(8) TÜV SÜD Product Service GmbH certifies, based on a voluntary testing, that this equipment 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 atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential report No. 713354402.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 80079-36:2016

EN ISO 80079-37:2016

(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 Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacturer and supply of this equipment.

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



II 2 G Ex h IIC T6 Gb



II 2 D Ex h IIC T80 °C Db

Certification Body Explosion Protection

Munich, 10.01.2025

Ridlerstraße 65, 80339 Munich

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Dipl.-Ing. (FH) Arno Butzke

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Type Examination Certificate without signature shall not be valid. The certificate may be circulated only without alteration. Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH.

In case of dispute, the German text shall prevail.

The document is internally administrated under the following number: EX8A 109833 0003 Issue 01

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • 80339 Munich • Germany



(13)

Schedule

(14) **Type Examination Certificate TPS 22 ATEX 109833 0003 X**

Revision 01

(15) Description of equipment:

The 1-pole ground clamps are intended to prevent electrostatic charges in potentially explosive atmospheres and establish a safe connection between stationary and mobile, metallic or conductive and dissipative objects and a good earth. Typical applications include drums, containers, tank trucks, big bags with conductive inliners, machine and plant parts.

The 2-pole ground clamps with Quick Connect (QC) quick connectors are intended for the safe discharge of electrostatic charges in potentially explosive atmospheres and, for this purpose, establish a safe connection between stationary and mobile, metallic or conductive and dissipative objects and the equipotential bonding (PA) on the plant side.

The created connection can visually indicate the presence of a good ground connection by using a grounding tester and signal it by potential-free changeover contacts. Typical applications include drums, containers, tank trucks, rail tank cars, big bags with dissipative inliners, machinery and equipment parts.

The 2-pole grounding clamps may only be connected to intrinsically safe circuits of certified earthing devices.

Technical Data:

Typ	Side length	Connection type
TIMM Mini Bite	60 mm	1-pole by means of M3 eyelet
TIMM Medium Bite	140 mm	1-pole by means of M4 eyelet
TIMM Large Bite	230 mm	1-pole by means of M8 eyelet
TIMM Profi Bite	150 mm	1-pole by means of M8 eyelet
TIMM Round Bite	150 mm	1-pole by means of M8 eyelet
TIMM Basic Bite	132 mm	1-pole by means of M3 eyelet
TIMM Barrel Bite	150 mm	1-pole by means of M4 eyelet
TIMM Barrel Bite QC	150 mm	2-pole by means of QC (Quick connect)
TIMM Medium Bite QC	140 mm	2-pole by means of QC (Quick connect)
TIMM Large Bite QC	230 mm	2-pole by means of QC (Quick connect)

(16) Test report: 713354402



(17) Special conditions for safe use:

The ground clamps are intended exclusively for the intended purpose of discharging electrostatic charges and may only be used for this purpose.

For the temporary equalization connection, the ground clamps must be used in accordance with EN IEC 60079-14 section 6.4.2.

It is essential to clamp the grounding clamp to the object to be grounded before starting work.

The earthing clamps must be checked regularly with regard to wear of the teeth, and these must be replaced if necessary. The grounding teeth may be changed by the user of the grounding clamp himself.

The connected grounding cables are to be checked regularly for wear and replaced if necessary.

The TIMM Bite grounding tongs can be used in Zone 1 with gas group IIC without restrictions when connected to a smooth, non-coiled cable.

When using the TIMM Bite ground clamps together with spiral cables in zones 1 and 2, the permissible gas group (IIC, IIB, IIA) must be considered depending on the used extension length of the spiral cable. Likewise, the max. extension length of the spiral cable must be observed when used in zones 21 and 22.

The TIMM Bite grounding clamps may only be used together with cable reels if the clamp is guided back by hand.

The 2-pole grounding clamps may only be connected to intrinsically safe circuits of certified earthing devices.

(18) Essential health and safety requirements:

met by standards