



EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

[3] EU-type Examination Certificate number:

IMQ 17 ATEX 002 X

[4] PRODUCT: EXPLOSION PROOF ANALOGUE TELEPHONE
TYPE/SERIES: **TEL569** (as specified in §15.1)
[5] MANUFACTURER: Teleindustria S.r.l.
[6] ADDRESS: VIA PALERMO, 12 - 20090 ASSAGO (MI) ITALIA
APPLICANT: Teleindustria S.r.l.
VIA PALERMO, 12 - 20090 ASSAGO (MI) ITALIA

[7] This equipment and any acceptable variation there to are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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 to the Directive.

The examination and test results are recorded in confidential Report No.:

43AO00024

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:

EN 60079-0:2012 + A11:2013; EN 60079-7:2015; EN 60079-11:2012; EN 60079-18:2015; EN 60079-31:2014

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

	II 2G	Ex eb ib mb IIC T5 Gb, and
	II 2D	Ex ib tb IIIC T100 °C Db, or
	II 2G	Ex eb ib mb T6 Gb, and
	II 2D	Ex ib tb IIIC T85 °C Db

THIS DOCUMENT IS COMPOSED OF 4 PAGES INCLUDING 1 ANNEX.

IMQ

FIRST ISSUE: 2017-05-31

CURRENT ISSUE: 2017-06-13

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SGQ N° 005 A EMAS N° 003 P
SGA N° 006 D PRD N° 005 B
SGE N° 006 M PRS N° 080 C
SCR N° 005 F ISP N° 063 E
SSI N° 003 G LAB N° 0121
FSM N° 007 I LAT N° 021

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ANNEX

[13]

[14] EU-type Examination Certificate: **IMQ 17 ATEX 002 X**

[15] **DESCRIPTION OF PRODUCT:**

TEL569 are Explosion Proof analog telephones designed for use in potentially explosive atmosphere, zone 1, 2, 21 and 22.

The main body of device is composed by an aluminium cast enclosure, protected by increased safety “e” and dust-tight “t” method.

Inside the enclosure are located the circuit boards protected by means of intrinsic safety “i” and encapsulation “m” methods.

The external connections are made via Ex e approved terminal blocks, that protruding from the encapsulated main circuit board.

[15.1] **MODELS/SERIES IDENTIFICATION:**

The characteristics of the apparatus are codified according to the following schema:

[a]	[b]	-	[c]
■■■	■■■	-	■■

Number of digits (■)

[a]	Equipment type	TEL	: Telephone
[b]	Series	569	: Analogue telephone
[c]	Keyboard layout:	T -	: Complete keyboard (maximum number of keys)
		M“n”	: Keyboard reduced to “n” numbers of keys

[15.2] **RATINGS:**

- None.

[15.3] **SAFETY RATINGS:**

$U_m = 160 V_{rms} (60 V_{dc} + 100 V_{ac} 20 \div 60 \text{ Hz, superimposed})$

Maximum power input is defined as 1,2W.

[15.4] **AMBIENT TEMPERATURE AND TEMPERATURE CLASSES:**

The Explosion Proof Analogue Telephone type **TEL569** have temperature class:

- T6 and maximum surface temperature of T85 °C in an ambient temperature range of $-40 \text{ °C} \leq T_a \leq 50 \text{ °C}$ and;

- T5 and maximum surface temperature of T100 °C in an ambient temperature range of $-40 \text{ °C} \leq T_a \leq 60 \text{ °C}$.

[15.5] **DEGREE OF PROTECTION (IP CODE):**

IP65 (EN 60529)

[15.6] **WARNINGS:**

- “WARNING – DO NOT OPEN WHEN ENERGIZED”
- “WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS”



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[16] **REPORT:** 43AO00024

[16.1] **ROUTINE (FACTORY) TESTS:**

The manufacturer shall carry out the routine test and verifications prescribed at clause 27 and 28.1 of the EN 60079-0.

The manufacturer shall carry out routine test prescribed at clause 9.1 of the EN 60079-18 and clause 7.1 of the EN 60079-7 at 1500 V maintained for at least 60 seconds, on complete device, with a maximum leakage current of 5 mA.

[16.2] **CONFORMITY WITH THE DOCUMENTATION:**

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[16.3] **INSTALLATION CONDITIONS:**

- Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0.
- Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals request special considerations and additional measures by the side of installer or user.
- These should be specified to the manufacturer by the user; it is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.
- Proximity sensors shall be installed according to EN 60079 14 standard.
- Metal parts shall be grounded.

[17] **SPECIAL CONDITION OF USE (X):**

- Only vertical suspended installation position is permitted.
- Potential electrostatic charging hazard.

[18] **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS:**

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate does not cover hazards coming from environmental conditions different from those clearly and precisely indicated in clause 1 of EN 60079-0.

ESHR 1.2.7: According Annex VIII of the Directive

ESHR 1.4: Not verified.

ESHR 1.5: Not applied.

ESHR 3: Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:

N/A: additional Requirements for the products have not been considered

[19] **DESCRIPTIVE DOCUMENTS:**

DL- 43AO00024, rev. 1, dated 2017-06-12, 182 pages.



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[14] EU-type Examination Certificate: **IMQ 17 ATEX 002 X**

[20] **CERTIFICATION VALIDITY CONDITIONS:**

- The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.
- The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per [19]. One copy of the mentioned documentation is kept in IMQ file.

[21] In accordance with Article 41 of Directive 2014/34/EU, Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. New issues of such certificates may continue to bear the original certificate number issued prior to 20 April 2016.

[22] **VARIATIONS:**

[22.1] **JUNE 2017** Editorial changes