



[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 17 ATEX 004 X**

[4] PRODUCT: **Explosionproof analogue telephone**

TYPE/SERIES: **TEL50*****

[5] MANUFACTURER: **Teleindustria S.r.l.**

[6] ADDRESS: **Via Palermo, 12 – 20090 Assago (MI) Italy**

[7] This equipment and any acceptable variation thereto 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 Report No.: **AT21-0071813-01**


[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 IEC 60079-0:2018; EN 60079-7:2015; EN IEC 60079-7:2015/A1:2018; EN 60079-11:2012;
EN 60079-18:2015; EN 60079-18:2015/A1:2017; 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:

I M2 Ex eb ib mb I Mb
 **II 2G Ex eb ib mb IIC T6 Gb**
II 2D Ex ib tb IIIC T85°C Db

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

FIRST ISSUE	2017/09/29
CURRENT ISSUE	2022/01/24
PREVIOUS ISSUE	2017/09/29
EXPIRING DATE	2032/01/23

B.U. PRODUCT CONFORMITY ASSESSMENT
CERTIFICATION SECTOR - MANAGER

This Certificate may only be reproduced in its entirety and without any change. It is subject to the general rules for assessing conformity to community directives for which IMQ operates as notified body n°. 0051 and to the special requirements for Directive 2014/34/EU (ATEX) "Equipment and protective systems for potentially explosive atmospheres" annex III - MODULE B – EU Type-examination.



PRD N° 005 B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC Mutual Recognition Agreements

[13] **Annex**

[14] EU-type Examination Certificate number: IMQ 17 ATEX 004 X

[15] **Description of product:**

The equipment **TEL50***** is formed by a main body composed by an stainless steel welded enclosure, protected by increased safety "eb" and "tb" protection concepts; inside the enclosure are located the circuit boards protected by means of intrinsic safety "ib" and encapsulation "mb" protection concepts.

Models **TEL501**** are specific for Group I

Models **TEL502**** are for Group II (2G and 2D) applications.

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

[15.1] **Models/Series Identification:**

[a] TEL 50 *	[b] *	[c] *
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Key code:

[a]	Group Category of Equipment	1	Group I M2
		2	Group II 2G and II 2D
[b]	Keys	T	15 keys
		M1	One key
		M4	4 keys
		M8	8 keys
		Mn	Number n of keys
[c]	SW code	X	SW Factory set only code

[15.2] **Ratings:** -

[15.3] **Safety Ratings:**

Um = 160 Vrms (60 Vdc + 100 Vac, 20 ÷ 60 Hz, superimposed);
Maximum power input is defined as 1,2 W.

[15.4] **Ambient temperature and temperature classes:**

The Explosion Proof Analogue Telephone type TEL50*** have temperature class:

- version **TEL501**** has $-20\text{ °C} \leq T_a \leq 50\text{ °C}$ compliant for Group I;
- version **TEL502**** has $-20\text{ °C} \leq T_a \leq 50\text{ °C}$; T_{class} is T6 for Gas and maximum surface temperature is T85°C for Dust.

[13] Annex

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[15.5] **Degree of protection (IP code):** up to IP66

[15.6] **Warnings:**

"WARNING – DO NOT OPEN WHEN ENERGIZED"

"WARNING – AFTER DE-ENERGIZING, DELAY 5 MINUTES BEFORE OPENING"

[16] **Report:** AT21-0071813-01

[16.1] **Routine (factory) tests:**

The manufacturer shall carry out the routine test prescribed at clauses 27 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.

Installation of equipment has to proceed according to EN 60079-14 for Group II and EN 50628 for Group I accordingly.

Metal parts shall be grounded.

[17] **Special Condition of use (X):**

Only vertical suspended installation position is permitted;

The equipment TEL501** shall be protected to mineral oils and synthetic hydraulic fluid contamination, due to spray, jets or other kind of contact with these substances "SEE INSTRUCTIONS".

[13] **Annex**

[14] EU-type Examination Certificate number: IMQ 17 ATEX 004 X

[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 and covered 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 verified.

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:
none

[19] **Descriptive documents:** DL-AT21-0071813-01

[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] **Variations**

Issue 0 - November 2017.

Issue 1 – January 2022:standards updating; introduction of models TEL502**.