

Type Examination Certificate



Intertek

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1. **TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU for Component**
3. **Type Examination Certificate Number: ITS16ATEX48420U Issue 0**
4. **Product:** Panel type TTEX
5. **Manufacturer:** T&T Sistemi S.r.l.
6. **Address:** Via Leo Valiani
52025 Levane (AR)
Italy
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Intertek Testing and Certification Limited, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of the products intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential Intertek Report Ref 102056161UDI-001B dated. June 2016
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012/A11:2013 and EN 60079-15:2010 except in respect of those requirements referred to at item 16 of the Schedule.
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 Type Examination Certificate relates only to the design of the specified product and not to specific items subsequently manufactured.
12. The marking of the product shall include the following:-



II 3 G Ex nA IIC Gc

-20°C ≤ Ta ≤ +60°C

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P Moss
Certification Officer
14 July 2016

Type Examination Certificate

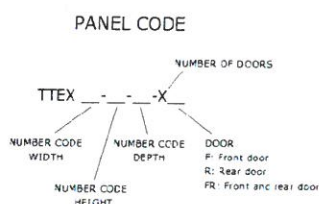


1. Description of Equipment or Protective System

The empty TTEX enclosures are designed for installation of Ex components and Ex terminals.

They are not intended to be used alone and require additional consideration when incorporated into electrical equipment or systems for use in explosive atmospheres.

The TTEX empty enclosures are suitable for use as basic components in potentially explosive areas of zones 2.



EXAMPLE PANEL CODE

Panel dimension 1600mm width, 2000mm height and 800mm depth with 32 doors installed on front and rear:

TTEX 160-200-80-3FR

AVAILABLE DIMENSIONS TTEX PANEL	
NUMBER CODE	30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400
WIDTH	mm 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000
HEIGHT	mm 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200
DEPTH	mm 100 400 500 600 700 800 900 1000

1. Report Number

Intertek Report Ref: 102056161UDI-001B Dated: June 2016

1. Conditions of Certification

(a). Specific Conditions of Safe Use

- The IP rating is defined with a maximum service temperature on the sealing gasket of +80°C. The cabinet is IP66 without removable panels on the frame, otherwise it is IP65.
- Cable gland holes in the removable plates: no more than 4 holes in a square of 100x100mm is permitted and the minimum distance between holes shall be no less than 1.5 times the maximum diameter.
- The external earthing connection shall be in compliance with the requirement of table 10, EN 60079-0, when the PE size is known; otherwise the standard connection is M10x50.
- The requirements of clause 6.4.5 of EN 60079-15, Measurement of creepage and clearance, shall be satisfied by the final user.

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS16ATEX48420U

(b). Conditions of Manufacture

None

16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref: 102056161UDI-001B Dated: June 2016

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
TECHNICAL NOTES (sheets 1 to 2)	NTS06054/4	0	19/01/16
TTEEx – Layout (Sheet 1/2)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 2/3)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 3/4)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 4/5)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 5/6)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 6/7)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 7/8)	MDS06054.0	0	01/02/2016
TTEEx – Layout (Sheet 8/8)	MDS06054.0	0	01/02/2016
INSTALLATION, USE and MAINTENANCE (sheet 1/2)	IUMS06054.0/4	00	29/05/2015
INSTALLATION, USE and MAINTENANCE (sheet 2/3)	IUMS06054.0/4	00	29/05/2015
INSTALLATION, USE and MAINTENANCE (sheet 3/4)	IUMS06054.0/4	00	29/05/2015
INSTALLATION, USE and MAINTENANCE (sheet 4/4)	IUMS06054.0/4	00	29/05/2015
Armadio A2R / A2R808030	S05648 (3D)	00	23/01/2015
Armadio A2R / A2R808030	S05648 (1)	00	23/01/2015
Armadio A2R / A2R808030	S05648 (2)	00	23/01/2015

This Certificate is the property of Intertek Testing and Certification Ltd and is subject to Intertek Testing and Certification's Conditions for Granting Certification

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This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.