



[1] **EU – TYPE EXAMINATION CERTIFICATE**

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 19 ATEX 0058X**

Issue: **1**

[4] Product: **Distribution cabinets**

Type: **R300...**

[5] Manufacturer: **TEPEX Ltd.**

[6] Product: **Medarska 69, 10090 Zagreb, Croatia**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] FIDITAS Ltd., Notified Body number 2829 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 products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential Report No: **FIDI 19 CR 058**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015 / A1:2018

EN 60079-11:2012

EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:



II 2(1)G Ex db eb [ib] [ia Ga] ia/ib IIC T6 Gb

I M2(M1) Ex db eb [ib] [ia Ma] ia/ib I Mb

II 2D Ex tb IIIC T80°C Db

Our ref.: 19.CRT.027

Date: 29.06.2020.



FIDITAS Ltd.
Certification department

Approved:

Marino Kelava, M.E.Eng.



[13]

SCHEDULE

[14]

EU - TYPE EXAMINATION CERTIFICATE No.:

FIDI 19 ATEX 0058X

[15]

Description of product

Distribution cabinets are intended for individual use or for connection in the blocks. Consist of an enclosure type R3002 and R3004 (certificate FIDI 19 ATEX 0026U; II 2G Ex db IIC Gb; II 2D Ex tb IIIC Db; I M2 Ex db I Mb;) and/or enclosure type R3003, R3005 and R3006 (FIDI 19 ATEX 0026U; II 2G Ex eb IIC Gb; II 2D Ex tb IIIC Db; I M2 Ex eb I Mb).

In 'Exdb' enclosure type R3002 and R3004, the installation of low-voltage switchgear and standard industrial devices up to the nominal values of the distribution cabinets and certified 'Exi' associated apparatus is foreseen.

In 'Exeb' enclosure type R3003, R3005 and R3006, the installation of separately certified components (for installation completely within, partly within and partly external to the equipment enclosure) such as measuring and control devices, switches, pushbuttons, signal lamps, circuit breakers, connection terminals, busbars in accordance with the list of components given in the documentation listed in chapter 19 of this certificate is foreseen.

The Ex marking of each distribution cabinet includes symbol of Ex protection of the enclosure and components used in that distribution cabinet.

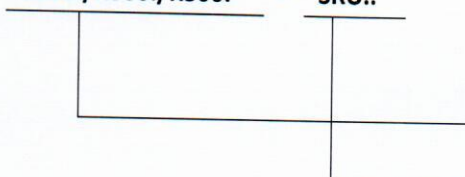
Certified bushings are used to conduct energy and signals between the 'Exdb' and 'Exeb' enclosure.

For cable entry are used certified cable glands in type of protection:

- increased safety 'eb' and protection by enclosure 'tb' when the terminal compartment is 'eb/tb' or
- flameproof enclosure 'db' and protection by enclosure 'tb' when the terminal compartment is 'db/tb'.

Distribution cabinets are identified by the following code:

R300./R300./R300. - SRU..



Distribution cabinet consisting of enclosures R300., connected in block with built-in switching devices and accessories

Additional mark irrelevant for explosion protection

Technical data:

Voltage Un: up to 690 V

Current In: up to 500 A

Maximum internal dissipation of apparatus built-in enclosure R3002: 200 W

40 W (with built in Exi associated apparatus)

Maximum internal dissipation of apparatus built-in enclosure R3004: 100 W

20 W (with built in Exi associated apparatus)

Terminals: up to 300 mm²

Ambient temperature: -20°C to +40°C

Mechanical protection: IP 66



[16] Confidential Report No. FIDI 19 CR 058

[16.1] Routine testing

The manufacturer shall carry out routine test of dielectric strength on distribution cabinets with terminal compartment in type of protection increased safety according to clause 7.1 of the standard EN IEC 60079-7.

[17] Specific Conditions of Use

- Distribution cabinets intended for mining, Category M2, incorporating certified components (FIDI 19 ATEX 0016U) of reduced impact resistance, must be installed in places with a lower risk of impact.
- The length of flameproof joints are greater and gaps are narrower than the standard values given in standard EN 60079-1, which shall be taken into account when joint is repaired.

[18] Essential Health and Safety Requirements

Covered by the conformity with harmonized standards listed under item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of distribution cabinets type: R3002 / R3003 / R3004 / R3005 / R3006	-	-	26.06.2020.
Instructions for use of distribution cabinets type: R300./R300.-SRU	-	6	26.06.2020.
Drawing of bus-bar, 100 mm, R3003	T60.11.01.00-1	-	26.06.2020.
Drawing of distribution cabinet R3002/R3004 – installation of isolation amplifier and barriers	T60.11.01.00-2	-	26.06.2020.
Drawing of distribution cabinet R3002/R3004 – installation of 'Ex i' terminals	T60.11.01.00-3	-	26.06.2020.

