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EU – TYPE EXAMINATION CERTIFICATE

- [2] Component Intended for use on/in an Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 23 ATEX 0075U**

Issue: **1**

[4] Product: **Miniature circuit breaker**

Type: **TE_x/MCB .. 1P**

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

[6] Address: **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 23 CR 098**

[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

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

- [10] The sign 'U' is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- [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 2G Ex db eb IIC Gb

Our ref.: 21.CRT.039

Date: 27.11.2023



Fiditas d.o.o.
ZAGREB

FIDITAS Ltd.

Certification department

Approved:

Marino Kelava, M.E.Eng.



[13]

SCHEDULE

[14]

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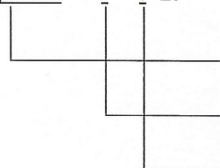
[15]

Description of product

The enclosure of the miniature circuit breaker is made of polyester reinforced with glass fibers in the type of protection flameproof enclosures "db". A miniature circuit breaker conforming to EN/IEC 60898-1 is installed inside the enclosure. The passage of energy is achieved by copper studs that form cylindrical flameproof joints. On the body of the enclosure, terminals for the connection of conductors are made in the type of protection increased safety "eb".

Type designation:

TEx/MCB **1P**



Basic type designation

Letter – tripping characteristic (B, C, D, K, Z)

Number – rated current (1A ... 63A)

Technical data:

Rated voltage: 230/400 Vac

Rated current: 1A ... 63 A

Service temperature: -20°C to + 75°C

Ambient temperature: -20°C to + 60°C

Connections: Solid, flexible and multiwire with cord end max. 2× 6 mm²

Flexible and multiwire with pin cable lug end max. 2× 16 mm²

[16]

Confidential Report No.

FIDI 23 CR 098

[16.1]

Routine testing

The manufacturer shall carry out the following routine tests:

- static overpressure test of enclosure according to clause 16.1 of standard EN 60079-1 with pressure at least 8.8 bar, and
- dielectric strength test according to clause 6.1 of standard EN IEC 60079-7.





[17] Schedule of Limitations

- The miniature circuit breaker is Ex component intended for mounting into an enclosure constructed in type of protection increased safety "e" according to EN IEC 60079-7.
- Service temperature of miniature circuit breaker is -20 °C to +75 °C. Ambient temperature is -20 °C to +60 °C.
- The connection terminals of the automatic installation breaker are intended for factory connections only.
- Flameproof joints are not intended for repair.

[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 miniature circuit breaker type: TEx/MCB .. 1P	/	/	16.11.2023.
Instruction for use	TEPEX.RS.125	1	16.11.2023.
Certification drawings:	T21.00.00.00-1	/	16.11.2023.
	T21.00.00.00-2	/	16.11.2023.
Description of certification drawings	T21.00.00.00-1; -2	/	16.11.2023.

