



[1] **TYPE EXAMINATION CERTIFICATE**

[2] **Component intended for use in potentially explosive atmospheres
Directive 2014/34/EU**

[3] Certificate Number: **EPTI 17 ATEX 0264 U** **Issue 0**

[4] Component: **Timer module**
Series: **86.00 and 86.30**

[5] Manufacturer: **FINDER S.p.A.**

[6] Address: **Via Drubiaglio n. 14 – 10040 Almese (TO)**

[7] This component and its accepted variations are specified in the annex to this Certificate.


[8] Eurofins Product Testing Italy S.r.l., certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of component intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N° EPT.17.REL.01/54548.

[9] Compliance with the essential health and safety is assured through the verification of them and by compliance with the standard:

EN 60079-0:2012+A11:2013; EN 60079-7:2015;

[10] The symbol "U" placed after the certificate's number indicates that this certificate must not be understood as a certificate for equipment or protective systems. This certificate may be used as a basis for a certificate for the equipment or protective system.

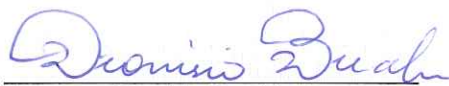
[11] This TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the component specified. Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this component. These requirements are not object of this Certificate.

[12] The component shall include the sign  and the following string:

II 3G Ex ec IIC Gc

-20°C ≤ Ta ≤ +50°C

Turin, 2017-07-25



Dionisio Bucchieri
Directive Responsible



Paolo Trisoglio
Managing Director

This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



[13]

ANNEX

[14]

TYPE EXAMINATION CERTIFICATE N. EPTI 17 ATEX 0264 U issue 0
[15] Component description

Timer modules Series 86.00 and 86.30 are relay's timer. They can be mounted on ATEX Certified interface modules made by relays and socket.

The type of protection against explosion is realized through the use of an increased safety construction "Ex ec". This component is suitable for gas Group IIC.

The devices are suitable for an ambient temperature between -20°C and +50°C.

Maximum rated voltage for series 86.00: 48Vdc/Vac (50/60 Hz)

Maximum rated voltage for series 86.30: 24Vdc/Vac (50/60 Hz)

Warning label

Not present.

Routine test

In compliance with clause 7.1 of EN 60079-7, the manufacturer has to perform the dielectric strength test between galvanically isolated parts with a minimum voltage of 500 V r.m.s. for 60 s. As an alternative, the test can also be conducted at 500x1.2 V r.m.s. for t>0.1 s

[17] Schedule of limitations

- The component shall be used in an area of at least pollution degree 2, as defined in IEC 60664-1;
- The component shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with EN 60079-0;
- Transient protection shall be provided that is set a level not exceeding 140% of the peak rated voltage value at the supply terminals to the component.

[18] Essential Health and Safety Requirements

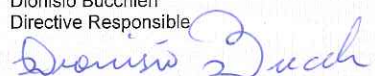
Assured by compliance with harmonized standard.

[19] Descriptive documents

The component object of this Certificate is described by the following documents.

Document	Name	Rev.	Date
Safety instructions series 86.00	IB8600VXX	-	2017-07
Safety instructions series 86.30	IB8630VXX	-	2017-07
Laboratory test report – Series 86.30	001/16 ATEX	-	2016-12-01
Laboratory test report – Series 86.00	003/16 ATEX	-	2016-12-01
Gerber - Series 86.00	S8600 MOCO	-	2016-12-05
Schematic - Series 86.00	Temporizzatore Serie 86 Multi Funzione/Tensione	7	2012-04-10
Gerber - Series 86.30	S8600 Gerber	-	2016-12-05
Schematic - Series 86.30	Temporizzatore Serie 86.30 Multi Funzione/Tensione	4	2011-02-07

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ANNEX

[14]

TYPE EXAMINATION CERTIFICATE N. EPTI 17 ATEX 0264 U issue 0
[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/CE.

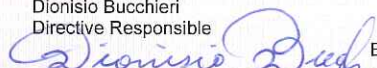
The following conditions may render this Certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive 2014/34/EU
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] Certificate History

Issue	Description	Issue date
0	First emission	2017-07-25

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End of Certificate

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