



[1]

TYPE EXAMINATION CERTIFICATE

[2]

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

[3]

Certificate Number: **EPTI 15 ATEX 0195 U** Issue 1

[4]

Component: **Interface modules**Series: **58**

[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.18.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 60079-15:2010; 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.

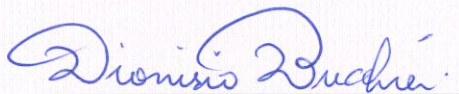
[11]

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.

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The component shall include the sign  and the following string:**II 3G Ex ec nC IIC Gc****-40°C ≤ Ta ≤ +70°C**

Turin, 2020-02-07



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Directive Responsible

This Certificate has 4 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



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[15] Component description

Interface modules Series 58 are composed by a Relay Series 55 ,Socket Series 94, tag type 06.072, metal retaining clip 094.71 and, eventually, with Series 99: modules for coil indication and EMC protection listed in the table below.

Modules Type	Nominal Voltage
99.02.0.xxx.59	24,60,230 (V AC/DC)
99.02.9.xxx.99	24,60,220 (V DC)
99.02.0.xxx.98	24,60,230 (V AC/DC)

Interface modules Series 58 can be mounted with 6-way jumper link 094.06 and 094.06.0

The type of protection against explosion, for the relay, is realized through the use of a sealed device (Ex nC).

The type of protection against explosion, for the socket, is realized through the use of an increased safety device (Ex ec).

The type of protection against explosion, for the module, is realized through the use of an increased safety device (Ex ec).

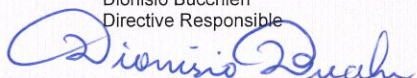
The devices are suitable for an ambient temperature between -40°C and +70°C except when used with Series 86 Timer (II 3G Ex ec IIC Gc). In this case ambient temperature allowed is -20°C and +50°C.

Ratings of interface	58.32/Relay 55.32	58.33/Relay 55.33	58.34/Relay 55.34
Rated current / Maximum peak current [A]	10/20	9/20	6/15
Rated voltage/Maximum switching voltage [V AC]	250/400	250/400	250/250
Rated load - Service AC1 [VA]	2500	2250	1500
Rated load - service AC15 [VA]	500	500	350
Capacity for single phase motor (230 V AC) [kW]	0.37	0.37	0.125
Breaking capacity-Service DC1: 30/110/220V [A]	10/0.25/0.12	9/0.25/0.12	6/0.25/0.12
Ratings of coil			
Rated Voltage AC (50/60 Hz) "Un" [V]	6 ÷ 250		
Rated Voltage DC "Un" [V]	6 ÷ 220		
Operating range	(0.8...1.1) Un		

When the interfaces are utilized together and with an ambient temperature of 70°C, they are subjected to a current derating.

Interface code	In (A)	In (A)
	Single	More than one
58.32....JK	10	7
58.33....JK	9	6
58.34....JK	6	5

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Codification

Interface code	Socket code	Relay code	Module
58.32.V.XXX.W0JK	94.02.7	55.32.V.XXX.W0H3	99.02.Z.XXX.QT
58.32.V.XXX.W0JK	94.04.7	55.32.V.XXX.W0H3	99.02.Z.XXX.QT
58.33.V.XXX.W0JK	94.03.7	55.33.V.XXX.W0H3	99.02.Z.XXX.QT
58.34.V.XXX.W0JK	94.04.7	55.34.V.XXX.W0H3	99.02.Z.XXX.QT
58.32.V.XXX.W00K	94.02.7	55.32.V.XXX.W0H3	-
58.32.V.XXX.W00K	94.04.7	55.32.V.XXX.W0H3	-
58.33.V.XXX.W00K	94.03.7	55.33.V.XXX.W0H3	-
58.34.V.XXX.W00K	94.04.7	55.34.V.XXX.W0H3	-

V= 8, 9; J = 0, 4, 5, 6, 7*, 8*; K = 8, 9; W=0, 2, 5; H=0, 2; Z=0, 9; Q=5, 9; T = 8, 9

Interface code	Timer	Nominal Voltage
58.3X.V.xxx.W07K	86.30.0.024.0073	12-24 V AC/DC
58.3X.V.xxx.W08K	86.00.0.240.0073	12-48 V AC/DC

V=8, 9; K = 8, 9; W=0, 2, 5;

Interface code	Socket code	Relay code
58.P2.V.XXX.W00K	94.P2.7	55.32.V.XXX.W0H3
58.P2.V.XXX.W00K	94.P4.7	55.32.V.XXX.W0H3
58.P3.V.XXX.W00K	94.P3.7	55.33.V.XXX.W0H3
58.P4.V.XXX.W00K	94.P4.7	55.34.V.XXX.W0H3

V=8, 9; W=0,2,5; K = 8, 9; H=0, 2

All version are provided with a metal retaining clip 094.71.

Warning label

Not present.

Routine test

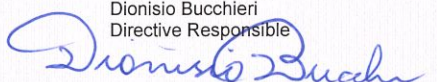
In compliance with clause 7.1 of EN 60079-7, the manufacturer has to perform the dielectric strength test between galvanically isolated parts with a minimum voltage of:

- $(2*U+1000)$ V r.m.s. for 60 s, where "U" is the working voltage (when "U" is > 90 V); or
- 500 V r.m.s. for 60 s, (when "U" is ≤ 90 V)

 [16] **Assessment Report n° EPT.18.REL.01/54548**

This Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this Certificate; performed by Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report cited above.

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[17] Schedule of limitations

- The cross section of conductors connected to the terminals, must be at least 2.5 mm²
- The components have to be installed in an enclosure already ATEX Certified that provides a minimum ingress protection of IP 54 in accordance with EN 60079-0.
- Electrical connections have to be performed in compliance with clause 4.2.2 of EN 60079-7.
- See safety instruction for information regarding the maximum surface temperature reached by the component.
- The component shall be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- 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	Date	Rev.
Safety instructions	IB5800VXX	2017/07	0
Instruction for resin	IT 076	2015/05/07	0
Laboratory test report	001/15 ATEX	2015/03/09	-
Laboratory test report	001/18 ATEX	2016/10/26	-

[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.

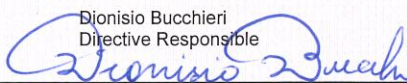
The following conditions may render this Certificate invalid:

- 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	2015-07-23
1	Constructive changes and standards update	2020-02-07

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End of Certificate

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