CERTIFICAT ◆ CERTIFICADO ◆ 認證證書 ◆ ZERTIFIKAT ◆ СЕРТИФИКАТ ◆ CERTIFICATE

CERTIFICATE

Italia

[1] EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

TÜV IT 21 ATEX 061 Rev.1

[4] Equipment: Position Switch type F* ** **-****-EX7

[5] Manufacturer: Pizzato Elettrica S.r.l.

[6] Address: Via Torino 1
I-36063 Marostica (VI) ITALY

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

[8] TÜV Italia, notified body no. 0948 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 to the Directive.

The examination and test results are recorded in confidential report no. R 21 EX 050 rev.1

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

EN IEC 60079-0:2018 EN 60079-11:2012

[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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

I M2 Ex ia I Mb
II 2G Ex ia IIC T6 Gb

This certificate may only be reproduced in its entirety and without any change, schedule included.

Issue date: 26 March 2024

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

PRD N° 081B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

TÜV Italia Srl Industrie Service 09 48 Notified Body

TÜV Italia S.r.l.
Notified body N° 0948

Alberto Carelli

Industry Service - Real Estate & Infrastructure
Managing Director

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo. The internal reference code is 722332814.

[13] **SCHEDULE**

[14] **EU-TYPE EXAMINATION CERTIFICATE**
No. TÜV IT 21 ATEX 061 Rev.1

Italia

Certificate History

Revision:	Description:	Report rev.:	Issue Date:
0	First issued	R 21 EX 050 rev.0	23/09/2021
1	Modification of the geometry of lid and case; modification of geometry and material of gasket	R 21 EX 050 rev.1	26/03/2024

[15] **Description of equipment**

Position Switch type F* ** **-****-EX7

*	Description
1	Enclosure variant D: Large enclosure / 1 entry M: Small enclosure / 1 entry L: large enclosure / 3 entries
2-3	Contact unit
4-5	Actuator
6-9	Additional extension R*: roller type G*: gold plated contacts M2: entry thread M20 **: additional extension (non-ex relevant)

The housing meets at least the requirements of IP66 class of protection.
The housing consists of metal and is intended to use in ambient temperatures between -20°C and +60°C.
The cable enters the switch through a metric screw connection. The cable gland has to be separately certified for category 2G and the minimum protection degree has to be IP66 for FD, FL series and IP67 for FM series.
The user can select from several mechanical actuators (tappets), which are installed completely by the manufacturer.

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[13] **SCHEDULE**

[14] **EU-TYPE EXAMINATION CERTIFICATE**
No. TÜV IT 21 ATEX 061 Rev.1

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Rated characteristics

Max. Rated voltage: 30 Vdc

Mas. Rated current: 2.5 A

Insulation resistance: 500V (4 terminals) , 400V (6 terminals)

Ambient temperature: -20°C to +60°C

Degree of protection: IP66 (FD,FL series), IP67 (FM series)

Intrinsically Safety Electrical parameters:

Max. switching voltage: Ui = 30Vdc

Max switching current: Ii = 2.5A

Max switching power: Pi = 75W

Max internal capacity: Ci = negligible

Max internal inductance: Li = negligible

Warning label

None.

[16] **Report no.** R 21 EX 050 rev.1

Routine tests

None.

[17] **Special conditions for safe use**

None.

[18] **Essential Health and Safety Requirements**

Assured by compliance with the standards set out in the [9].

[19] **Drawings and Documents**

Listed documents (prot. 722254194 + 722332814)

Title:	Description:	Pages:	Rev:	Date:
Position Switch type F* ** **-****-EX7	Technical documentation	55	4	22/03/2024

One copy of all documents is kept in TÜV Italia files.

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