(1) # EU-Type-Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU

(3) **Certificate Number** **TÜV CY 22 ATEX 0206723 X**

(4) for the equipment: Level Regulator Type Little EX

(5) of the manufacturer: **MATIC S.r.L.**

(6) Address: Via delle Fonti. 8
50018 SCANDICCI (FI) ITALY

Order number: 0206723

Date of issue: 2022-11-21

(7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.

(8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies thst this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex ii to the Directive. The examination and test results are recorded in the confidential report No. 22 0206723.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 **EN 60079-11:2012** **EN 60079-26:2015**

(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, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

II 1G Ex ia IIC T6 Ga

TÜV CYPRUS Ltd (TÜV NORD Group),

The head of the notified body,

D. Demosthenous

Accredited by CYS-CYSAB
Certificate No. C 004-2

notified body
TÜV CYPRUS
TÜV NORD GROUP
2261

TÜV CYPRUS (TÜV NORD) Ltd.
2 Papaefthaa.Str., 2235. Latsia, Nicosia. · P.O.Box: 28723, 1563 Nicosia, Cyprus
Tel:+357 22 44 28 60 Fax:+28722 44 28 60 email: info@tuvcyprus.com.cy
www.tuvcyprus.com.cy

This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

(13) **S C H E D U L E**

(14) **EU-Type-Examination Certificate No. TÜV CY 22 ATEX 0206723 X**

(15) Description of equipment

The level regulator type Little EX, together with a control system installed outside of the explosion hazardous area, is used for the control of pumps for liquid containers (e.g, cistern tanks, shafts, reservoirs).
The level regulator type Little EX has an internal microswitch (simple apparatus) and a parmanent connected cable for electrical connections to the control system.
Level regulator type Little EX connected via a proper associated apparatus can operate in hazardous areas with presence of gas, vapours for category 1G with EPL Ga.

Type key:

Little EX

Technical Data:
Connection on cable wires.
Electrical parameters: Ui = 13 V
Ii = 21,4 mA

The effective internal capacitance Ci and inductance Li of the switch are negligible.
Perameters of parmanentty connected cable depend on the length l_{cable} :
Ci = 200 nF/Km x l_{cable}
Li = 1 mH/Km x l_{cable}

Permitted range of the ambient temperature:
Tamb: -20 °C ≤ Ta ≤ +40 °C

Warning labels:
Warning: Potential Electrostatis Charging Hazard – see Instructions

(16) Test documents are listed in the test report No. 22 0206723.

(17) Special conditions for safe use

1. See safety instruction manual for guidance to minimize the risk from electrostatic discharge.

2. If an opening is required at the boundary wall of the hazardous area there is the risk of flammable gas release and flame entrance have to be avoided. The mechanical connection has to comply with EN 60079-26 Clause 4.3.

(18) Essantial Health and Safety Requirements
This certificate covers the Essential Health and Safety Requirements retated to the Directive 2014/34/EU and assured by the conformity with harmonized standards listed under item 9.