ADDITION

(3) INERIS 02ATEX0007X/02

(4) SOLENOID VALVE TYPE 01.....H012....

(5) Made by Fluid Automation Systems S.A

(15) PURPOSE OF THE ADDITION

- Application of EN60079-0: 2009, EN60079-11: 2012 and EN60079-26: 2007 standards for solenoid valves variant 12 V and variant 24 V.

- Codification modification **Electrovalve type 01-311P-00-H0 F01002** or **01-311P-00-H0 F01003** becomes **Electrovalve type 01..... H012....**

  Dots are replaced by letters and numbers defining mechanical and electrical variants.

- Possible increasing of using ambient temperatures.

PARAMETERS RELATING TO THE SAFETY

For variant 12 V coil, the parameters relating to the safety are modified as follows:

Terminals reference	Ui (V)	Ii (A)	Ci (µF)	Li (µH)
+ / -	16 or 30	0.33 A	0	0

For variant 24 V coil, the parameters relating to the safety are unchanged.

MARKING

Marking is modified as follows:

FLUID AUTOMATION SYSTEMS SA
Route de l'Etraz, 126
CH-1290 Versoix/Genève
Switzerland
01..... H012... *
.. VDC ...W **
(serial number / week of construction)

Ⓔx II 1 GD
Ex ia IIC T6, T5 or T4 *** Ga
Ex ia IIIC T85°C, T100°C or T135°C *** Da
IP65
INERIS 02ATEX0007X
Tamb. = -20°C to +..°C ***
Ui = ..V ; Ii = ...mA ****

Marking may be reduced to :

CH-1290 Versoix
SWITZERLAND

01..... H012... *
.. VDC ...W **
(serial number / week of construction)
Ⓔx II 1 GD
Ex ia IIC T6, T5 or T4 *** Ga
Ex ia IIIC T85°C, T100°C or T135°C *** Da
IP65
INERIS 02ATEX0007X

(*) Dots are replaced by numbers or letters defining mechanical variants of the apparatus.

(**) Coil power following 12 or 24 VDC versions and the models.

Voltage (**) (Vac/dc)	Coil resistor (Ω)	Power (**) (W)	Model
12	280	0.5	-
12	280	0.55	LED
24	1150	0.5	-
24	1150	0.72	LED

(***) The temperature class is defined according to the using ambient temperature of the device following the table below:

(****) The safety parameters are defined according to the maximum using ambient temperature and temperature class following the table below:

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are modified as follows:

Coil type		Temperature class		Ambient temperature range (***)	Safety parameters	
Voltage (**) (Vac/dc)	Coil resistor	Gas (***)	Dust (***)		Ui (****)	Ii (****)
Possible marking for electrovalves 12 Vac/dc and 24 Vac/dc						
12	280 Ω	T6	T85°C	-20°C to +55°C	16 V	330 mA
12	280 Ω	T5	T100°C	-20°C to +70°C	16 V	330 mA
12	280 Ω	T5	T100°C	-20°C to +50°C	30 V	330 mA
12	280 Ω	T4	T135°C	-20°C to +85°C	30 V	330 mA
24	1150 Ω	T6	T85°C	-20°C to +60°C	30 V	330 mA
24	1150 Ω	T5	T100°C	-20°C to +75°C	30 V	330 mA
24	1150 Ω	T4	T135°C	-20°C to +110°C	30 V	330 mA

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation describing the modification of the equipment, subject of this present addition.

Descriptive drawing H010.1000 revision i dated on 2014.01.07
Instructions notice M010.1171 - En dated on 2014.01.06

These documents were signed on 06 may 2014.

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are modified as follows:

Potential electrostatic discharges, see instructions.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is completed as follows:

- Conformity to the standards quoted in clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2014.06.16

The Chief Executive Officer of INERIS
By delegation
T. HOUEIX
Ex Certification Officer