

## Supplement 4 to EC-TYPE EXAMINATION CERTIFICATE

- [14] **EC-TYPE EXAMINATION CERTIFICATE No**      **Nemko 03ATEX110X**  
[15] **Description of Equipment or Protective System**

This Supplement concerns modifications of the display, main board and addition of a new pressure sensor board. There are also changes of safety data and model codes. The revised model codes and data are listed in this Supplement.

### Type Designations and Model Codes.

#### D3I abcdefghijkl

The additional letters and digits in the type reference concern different accessories and functions of the instrument.

a: Air pipe connection thread type,

b: Surface treatment,

c: Function,

de: Spindle,

fgh: Cover and indicator,

i: Sensors /Temperature/Seals,

j: Input signal/protocol: 4, 5

4: 4-20mA

5: 4-20mA Hart

k: Feedback option

X: no option

S: Limit switch MEC + 4-20mA

N: Limit sensors NAM + 4-20mA

P: Limit switches PXY + 4-20mA

T: 4-20mA transmitter only

4\* Slot type Namur sensor, P+F SJ2 S1N+ Alarm

5\* Slot type Namur sensor, P+F SJ2 SN+ Alarm

6\* Slot type Namur sensor, P+F SJN + Alarm

l: Accessories:

X: No accessories

M: Gauge block

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NO 974404532

## Supplement 4 to EC-TYPE EXAMINATION CERTIFICATE

**Logix 810-02-abcdefghijklmn (4-20mA version)**

**Logix 820-02-abcdefghijklmn (4-20mA Hart version)**

The additional letters and digits in the type reference concern different accessories and functions of the instrument.

a: Housing, surface treatment.

b: Threaded connection.

cd: Spindle

e: Operating temperature

f: Language display

g: Cover and indicator,

h: Special options,

i: limit switches and feedback option

T: 4-20mA position feedback + alarm

0 : No switches

1: Limit switch MEC + 4-20mA

2: reed switch + 4-20mA

3: Namur V3 type prox switch P+F NJ2-V3-N

4\* Slot type Namur sensor, P+F SJ2 S1N+ Alarm

5\* Slot type Namur sensor, P+F SJ2 SN+ Alarm

6\* Slot type Namur sensor, P+F SJN + Alarm

lm: Manifold options:

XX: No manifold

GM: Gauge manifold

n: Gauge options

0 No gauges

### Safety Data for External Connections

#### 4-20mA input signal & Hart . Terminals no. 1, 2

Maximum input voltage.	U <sub>i</sub> :	28V
Maximum input current.	I <sub>i</sub> :	93mA
Maximum input power.	P <sub>i</sub> :	653mW
Maximum internal capacitance.	C <sub>i</sub> :	11,28nF
Maximum internal inductance.	L <sub>i</sub> :	11,28µH

#### Switches, Mechanical or Proximity. Terminals 3-5, 6-8 or 4-5, 7-8

Maximum input voltage.	U <sub>i</sub> :	28V
Maximum input current.	I <sub>i</sub> :	45mA
Maximum input power.	P <sub>i</sub> :	315mW
Maximum internal capacitance.	C <sub>i</sub> :	1nF
Maximum internal inductance.	L <sub>i</sub> :	1µH

#### Switches, Mechanical or Proximity with isolator barriers. Terminals 3-5, 6-8

Maximum input voltage.	U <sub>i</sub> :	10,6V
Maximum input current.	I <sub>i</sub> :	29,7mA
Maximum input power.	P <sub>i</sub> :	79mW
Maximum internal capacitance.	C <sub>i</sub> :	1nF
Maximum internal inductance.	L <sub>i</sub> :	1µH

#### Namur switch and isolator barrier. Terminals 3-4, 6-7

Maximum input voltage.	U <sub>i</sub> :	10,6V
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**Supplement 4 to EC-TYPE EXAMINATION CERTIFICATE**

Maximum input current.	I <sub>i</sub> :	29,7mA
Maximum input power.	P <sub>i</sub> :	79mW
Maximum internal capacitance.	C <sub>i</sub> :	40nF
Maximum internal inductance.	L <sub>i</sub> :	100µH

**4-20mA Output - Terminals 9-10**

Maximum input voltage.	U <sub>i</sub> :	28V
Maximum input current.	I <sub>i</sub> :	93mA
Maximum input power.	P <sub>i</sub> :	653mW
Maximum internal capacitance.	C <sub>i</sub> :	16,4nF
Maximum internal inductance.	L <sub>i</sub> :	11,28µH

**Alarm. Terminals 11-12**

Maximum input voltage.	U <sub>i</sub> :	28V
Maximum input current.	I <sub>i</sub> :	45mA
Maximum input power.	P <sub>i</sub> :	315mW
Maximum internal capacitance.	C <sub>i</sub> :	5,7nF
Maximum internal inductance.	L <sub>i</sub> :	11,28µH

[16] Report No. 105867 and descriptive documents listed in the document:

1. D3I/Logix 800 Digital Positioner Technical File Contents Version for 3-AS80I XH R3 Rev. A dated 2008-03-13.
2. Technical File contents intrinsically safe (ia) certification of D3/Logix 800 returnspring rev. C dated 2007-06-12 rev. C.
3. Drawing No. 3-305, dated 2007-07-02

[17] **Special Conditions for Safe Use**

As specified in the previous Schedule and Supplement 1 to the Certificate

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

See item 9

Oslo, 2008-04-30

*Asle Kleivstad*

**p. p. Rolf Hoel**  
Certification Manager, Ex-products

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