

DICHIARAZIONE CE DI CONFORMITA'

BOBINA EVI 30/9 EEx mb II 2G T4/T5

2D IP66 T135/T100

per l'uso in ambienti potenzialmente esplosivi

EC DECLARATION OF CONFORMITY

COIL EVI 30/9 EEx mb II 2G T4/T5

2D IP66 T135/T100

to be used in potentially explosive atmosphere

Noi : AMISCO Srl
We : Via Piaggio, 70
20037 Paderno Dugnano
MI - ITALY

dichiariamo sotto la nostra responsabilità che il prodotto:
declare under our sole responsibility that the product:

DC solenoids

| Coil Code | Vn [V] | f [Hz] | I [A] | P [W] | Temperature Class |
|-------------|--------|--------|-------|-------|-------------------|
| 3009MD006W3 | 6 | - | 0.510 | 3 | T5 |
| 3009MD012W3 | 12 | - | 0.250 | 3 | T5 |
| 3009MD024W3 | 24 | - | 0.125 | 3 | T5 |
| 3009MD048W3 | 48 | - | 0.063 | 3 | T5 |
| 3009MD006W4 | 6 | - | 0.640 | 3.8 | T4 |
| 3009MD012W4 | 12 | - | 0.320 | 3.8 | T4 |
| 3009MD024W4 | 24 | - | 0.160 | 3.8 | T4 |
| 3009MD048W4 | 48 | - | 0.080 | 3.8 | T4 |

AC solenoids

| Coil Code | Vn [V] | f [Hz] | I [A] | P [VA] | Temperature Class |
|-------------|--------|--------|--------|--------|-------------------|
| 3009MA012W2 | 12 | 50/60 | 0.2700 | 3.2 | T5 |
| 3009MA024W2 | 24 | 50/60 | 0.1330 | 3.2 | T5 |
| 3009MA048W2 | 48 | 50/60 | 0.0670 | 3.2 | T5 |
| 3009MA100W2 | 100 | 50/60 | 0.0320 | 3.2 | T5 |
| 3009MA110W2 | 110 | 50/60 | 0.0290 | 3.2 | T5 |
| 3009MA115W2 | 115 | 50/60 | 0.0280 | 3.2 | T5 |
| 3009MA120W2 | 120 | 50/60 | 0.0270 | 3.2 | T5 |
| 3009MA220W2 | 220 | 50/60 | 0.0146 | 3.2 | T5 |
| 3009MA230W2 | 230 | 50/60 | 0.0140 | 3.2 | T5 |
| 3009MA240W2 | 240 | 50/60 | 0.0134 | 3.2 | T5 |

(1) Vn = tensione nominale
(1) Vn = nominal voltage
I = corrente nominale
I = nominal current

P = potenza nominale
P = nominal power
Tolleranza sui valori nominali di tensione: ± 10%
Voltage Tolerance range on nominal values: ± 10%

a cui si riferisce questa dichiarazione, è conforme a quanto richiesto dalla seguente Direttiva:
to which this declaration relates, is in conformity with the provisions of the following directive:

è fabbricato e collaudato secondo le Normative:
with reference to the following standards:

| | |
|---------------------|--------------------|
| IEC 60079-0 | 2004-01 |
| IEC 60079-18 | 2004-03 |
| EN 50281-1-1 | 1999-11 +A1 |
| EN 50281-1-2 | 1999-09 +A1 |

ed è certificato presso il CESI come:
certified by CESI:

CESI 02 ATEX 142X

Organismo incaricato della Sorveglianza:
Body responsible for supervision:

CESI 0722 con Notifica CESI 03 ATEX 075Q
CESI 0722 with Notification CESI 03 ATEX 075Q

Paderno Dugnano, 30 Luglio 2004
Paderno Dugnano, July 30, 2004



A handwritten signature in black ink, appearing to read 'Elio Mantovani'. The signature is fluid and cursive, written over a light grey background.

Ing. Elio Mantovani
Persona Autorizzata
Authorized Representative

I dati riportati sui Cataloghi Amisco e tutte le misure preventive necessarie al fine di evitare eventuali incidenti devono essere osservate, durante l'installazione e l'utilizzo del prodotto. Questa dichiarazione perde la sua validità se il cliente o parti terze eseguono modifiche e/o riparazioni e/o fanno un uso improprio del prodotto.


The data supplied in AMISCO Catalogues are to be consulted, and pertinent accident prevention regulations are to be followed during product installation and use. Any unauthorized work performed by purchaser or by third parties can impair its functions, and relieves AMISCO of all warranty claims and liability for any resulting damage.

Definitions and Symbols

Our Marking

 II 2G EEx mb II T5 or T4
II 2D IP66 T 100°C or T 135°C

Where:

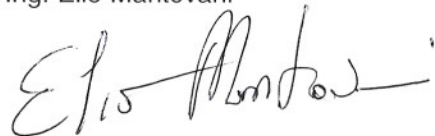
- : Specific marking of explosion protection
- II:** Group II - Electrical apparatus for places with a potentially explosive atmosphere, other than mines susceptible to fire damp.
- 2:** Category 2 - see the board below.
- G:** Explosive gas atmospheres.
- D:** Explosive atmosphere in the presence of combustible dust.
- EEx:** The symbol EEx which indicates that the electrical apparatus corresponds to one of the protection type (EN 60079 – 0)
- mb:** Type of protection – encapsulation m, level mb
- T4/T5:** Temperature class for gas
- T135/T100:** Temperature class for dust
- IP66:** The degrees of protection provided by an enclosure against, ingress of solid foreign objects, dust (first number) and water (second number).

| Zone | Category | Description |
|------|----------|---|
| 1 | 2 | Equipment in this category is intended for use in areas in which explosive atmospheres caused by air/gas mixture are likely to occur. |
| 21 | 22 | Equipment in this category is intended for use in areas in which explosive atmospheres caused by air/dust mixtures are likely to occur. |

Paderno Dugnano, July 30, 2004

Authorized Representative

Ing. Elio Mantovani



COIL EEx m Type 3009M INSTRUCTIONS

This document cannot be modified without the approval of the
Certification Institute

INSTRUCTIONS

MANUFACTURER: NAME: **AMISCO s.r.l.**
 ADDRESS: **Via Piaggio, 70 - Paderno D. - MI - ITALY**
 TYPE: **3009M**
 N° N.B.: **0722**
 GROUP: **II**
 CATEGORY: **2G e 2D**
GAS AND COMBUSTIBLE DUST ATMOSPHERE EQUIPMENT
 TYPE OF PROTECTION: **encapsulation "m", level mb**
 CERTIFICATE NUMBER: **CESI 02 ATEX 142X**
 VOLTAGE TOLERANCE: **±10%**
 DUTY CYCLE: **100% ED**
 AMBIENT TEMPERATURE: **-15°C ÷ +50°C**

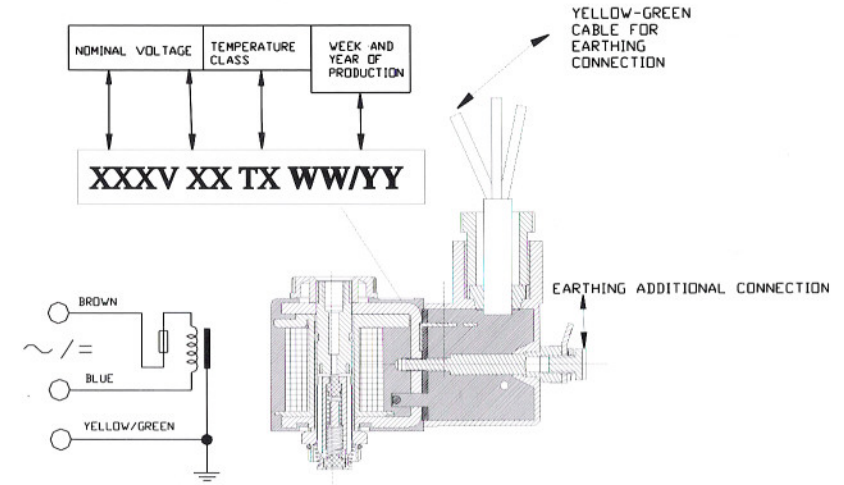
ELECTRICAL DATA:

DC solenoids

| Coil Code | Vn [V] | f [Hz] | I [A] | P [W] | Temperature Class | |
|-------------|--------|--------|-------|-------|-------------------|--------|
| 3009MD006W3 | 6 | - | 0.510 | 3 | T5 | 100 °C |
| 3009MD012W3 | 12 | - | 0.250 | 3 | T5 | " |
| 3009MD024W3 | 24 | - | 0.125 | 3 | T5 | " |
| 3009MD048W3 | 48 | - | 0.063 | 3 | T5 | " |
| 3009MD006W4 | 6 | - | 0.640 | 3.8 | T4 | 135 °C |
| 3009MD012W4 | 12 | - | 0.320 | 3.8 | T4 | " |
| 3009MD024W4 | 24 | - | 0.160 | 3.8 | T4 | " |
| 3009MD048W4 | 48 | - | 0.080 | 3.8 | T4 | " |

AC solenoids

| Coil Code | Vn [V] | f [Hz] | I [A] | P [W] | Temperature Class | |
|-------------|--------|--------|--------|-------|-------------------|--------|
| 3009MA012W2 | 12 | 50/60 | 0.2700 | 3.2 | T5 | 100 °C |
| 3009MA024W2 | 24 | 50/60 | 0.1330 | 3.2 | T5 | " |
| 3009MA048W2 | 48 | 50/60 | 0.0670 | 3.2 | T5 | " |
| 3009MA100W2 | 100 | 50/60 | 0.0320 | 3.2 | T5 | " |
| 3009MA110W2 | 110 | 50/60 | 0.0290 | 3.2 | T5 | " |
| 3009MA115W2 | 115 | 50/60 | 0.0280 | 3.2 | T5 | " |
| 3009MA120W2 | 120 | 50/60 | 0.0270 | 3.2 | T5 | " |
| 3009MA220W2 | 220 | 50/60 | 0.0146 | 3.2 | T5 | " |
| 3009MA230W2 | 230 | 50/60 | 0.0140 | 3.2 | T5 | " |
| 3009MA240W2 | 240 | 50/60 | 0.0134 | 3.2 | T5 | " |



The coil EVI30/9 EEx mb is developed to fit Amisco operators. If a different operator is used, make sure that the coil powered with nominal voltage does not show a power consumption exceeding the values mentioned above. In any case, before giving its approval, Amisco has to carry out consumption and thermic tests on the operator specimen; on the contrary these tests will be conducted by the Client himself who has to inform Amisco about the results obtained. In this case the Client will also be responsible for eventual malfunctionings incurred by using non-tested operators.

Week and year of production of the complete coil are printed on the upper side of the solenoid, as showed in the above drawing.

The output cable of the solenoid consists of a brown colored lead, of a blue one and of a yellow-green one.

The brown and blue leads are the coil power supply while the yellow-green one, that is connected to all the conductive accessible parts of the coil, is the earth connecting.

The coil has also an additional external connecting unit for the earth connection or for the equipotential bonding connection.

Warning

"Elettrostatic charges product, clean only with wet cloths or antistatic products."

The electrical connection between solenoid and electric installation has to be performed in compliance with CEI EN 60079-14 requirements.