



EC-Certificate

No. EX3 03 12 51757 001

Holder of Certificate: Morsettitalia S.p.A.

Via Santi, 87
20037 Paderno Dugnano (MI)
Italy

Scope of Certificate:



Feed through terminal blocks Models:

EURO 2.5/35, 4/35, 6/35, 10/35, 16-25/35,
EURO 35-50/35, 70/35, 4/15;

EURO D 4-2/35;

EURO E 4/15, 4/35, 6/35, 10/35, 16/25/35, 35-50/35;

EURO Q 2.5/35, 4/35;

EURO QE 2.5/35, 4/35;

EURO QM 2/2 2.5/35, 1/2 2.5/35;

EURO QD 2.5/35.

The certification body of TÜV PRODUCT SERVICE GMBH certifies that the certificate holder maintains a quality system which fulfills the requirements of Annex VII of Council Directive No. 94/9/EC for Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX). Validity of this EC-Certificate requires periodical surveillance. See also notes overleaf.

Report no.: 70060155

Valid until: 2006-12-10

Date, 2003-12-17



TÜV PRODUCT SERVICE GMBH is a Notified Body in accordance with Council Directive 94/9/EC EC for equipment and protective systems intended for use in potentially explosive atmospheres with the identification number 0123.

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Facility(ies):

Morsettitalia S.p.A.
Via Santi, 87, 20037 Paderno Dugnano (MI), Italy

(1) EC-TYPE EXAMINATION CERTIFICATE

(2) Components intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 03ATEX2118 U**

(4) Components: **Feed through terminal blocks Models EURO 2.5, EURO 4, EURO 6, EURO 10, EURO 16-25, EURO 35-50, EURO 70, EURO 4 / 15, EURO D 4-2, EURO Q 2.5 / 35, EURO QD 2.5 / 35, EURO Q 4 / 35, EURO QM 1/2 2.5 / 35, EURO QM 2/2 2.5 / 35, and Protective conductor terminal blocks Models EURO E 4, EURO E 6, EURO E 10, EURO E 16-25, EURO E 50, EURO E 4 / 15, EURO QE 2.5 / 35, EURO QE 4 / 35**

(5) Manufacturer: **Morsettitalia S.p.A**

(6) Address: **Via Santi 87, 20037 Paderno Dugnano (MI), Italy**

(7) These components and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that these components have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components 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. 2018026.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997

EN 50019 : 2000

EN 50281-1-1 : 1998

(10) The sign "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system.

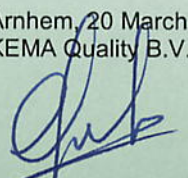
(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified components according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of these components. These are not covered by this certificate.

(12) The marking of the components shall include the following:



II 2 GD EEx e II

Arnhem, 20 March 2003
KEMA Quality B.V.


C.G. van Es
Certification Manager

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SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 03ATEX2118 U

(15) **Description**

Feed through terminal blocks Models EURO 2.5, EURO 4, EURO 6, EURO 10, EURO 16-25, EURO 35-50, EURO 70, EURO 4 / 15, EURO D 4-2, EURO Q 2.5 / 35, EURO QD 2.5 / 35, EURO Q 4 / 35, EURO QM 1/2 2.5 / 35, EURO QM 2/2 2.5 / 35 and

Protective conductor terminal blocks Models EURO E 4, EURO E 6, EURO E 10, EURO E 16-25, EURO E 50, EURO E 4 / 15, EURO QE 2.5 / 35, EURO QE 4 / 35, insulating parts made of PA, for the connection of copper conductors in enclosures in type of explosion protection increased safety "e" or "D" (dust).

Operating temperature range -20 °C ... +80 °C.

Electrical data

Type	Rated voltage (V)	Rated current (A)	Rated conductor cross section (mm ²)
EURO 2.5	750	20	2.5
EURO 4	750	23	4
EURO 6	750	27	6
EURO 10	750	47	10
EURO 16-25	750	56	25
EURO 35-50	750	67	50
EURO 70	750	130	70
EURO 4 / 15	275	30	4
EURO D 4-2	750	30	4
EURO Q 2.5 / 35	420	26	2.5
EURO QD 2.5 / 35	275	19	2.5
EURO Q 4	420	31	4
EURO QM 1/2 2.5 / 35	420	20	2.5
EURO QM 2/2 2.5 / 35	420	23	2.5
EURO E 4	-	-	4
EURO E 6	-	-	6
EURO E 10	-	-	10
EURO E 16-25	-	-	25
EURO E 50	-	-	50
EURO E 4 / 15	-	-	4
EURO QE 2.5 / 35	-	-	2.5
EURO QE 4 / 35	-	-	4

Installation instructions

The terminal blocks are suitable for use in enclosures in atmospheres with flammable gases and combustible dust. For flammable gases these enclosures must satisfy the requirements according to EN 50014 and EN 50019. For combustible dust these enclosures must satisfy the requirements according to EN 50281-1-1.

In combination with other terminal block series and sizes and if accessories are used the applicable creepage distances and clearances shall be met.

If smaller cross sections as the rated cross section are used, the belonging lower current has to be laid down in the EC-Type Examination Certificate of the complete equipment.

The terminal blocks may be used, based on the self-heating when used at the above mentioned rated current and at ambient temperatures of -20 °C to +40 °C at the mounting position in electrical apparatus, e.g. junction and connection boxes, for temperature class T6. When the terminal blocks are used in electrical apparatus of temperature classes T1 up to T5, the highest temperature of the insulating material shall not exceed the maximum value of the operating temperature range.

SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 03ATEX2118 U

Routine tests

Routine dielectric strength tests according to EN 50019, Clause 7.1.b shall be conducted.

(16) **Report**

KEMA No. 2018026

(17) **Special conditions for safe use**

None

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

dated

1. Drawing no. 43406, rev. 3	01.12.2001
43400.4I	09.12.1997
43400.8I, rev. 1	03.03.2000
43454, rev. 2	24.05.1999
A2 1045, rev. c	20.06.1985
43401	09.12.1997
43450	06.03.1998
A2 1047, rev. d	19.04.1996
43402, rev. 2	02.07.2001
43458	06.03.1998
A2 1049, rev.	20.06.1985
43403, rev. 1	02.07.2001
43451	06.03.1998
A1 1051, rev. a	23.06.1985
43404, rev. 1	02.07.2001
43457	06.03.1998
A1 1053, rev. a)	20.06.1985
42460, rev. 1	01.12.2001
42400, rev. 1	08.11.2000
42454, rev. 1	01.12.2001
42406, rev. 1	01.12.2001
42453, rev. 1	01.12.2001
43459, rev. 2	02.07.2001
43420, rev. 2	01.12.2001
43461, rev. 1	01.12.2001
43405, rev. 2	01.12.2001
42456	01.06.2001
22006, rev. 1	18.01.2002
22806, rev. 1	08.01.2002
42455	01.06.2001
22005, rev. 1	18.01.2002
22805, rev. 1	08.01.2002
22901, rev. 3	02.01.2002
markings	20.03.2003