

(1) EC-TYPE EXAMINATION CERTIFICATE

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) EC-Type Examination Certificate Number: **KEMA 03ATEX1555 X**
- (4) Equipment or protective system: **Connection blocks for Fieldbus systems, Series Megablock**
- (5) Manufacturer: **Relcom Inc.**
- (6) Address: **2221 Yew Street, Forest Grove, OR 97116, USA**
- (7) This equipment or protective system and any acceptable variation thereto is 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 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 confidential report no. 2037992.

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

EN 50014 : 1997

EN 50020 : 2002

- (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 EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:



II 2 G EEx ia IIC T4

Arnhem, 16 December 2003
KEMA Quality B.V.



C.G. van Es
Certification Manager

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SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 03ATEX1555 X

(15) **Description**

The Megablock Models F240 to F267 are interconnection blocks for use in a Fieldbus system. They are used to connect up to 10 devices to a fieldbus segment. The connection block consists of 2 trunk connectors and up to 10 spur connectors which may be provided with current limiting Spurguards.

Ambient temperature range -45 °C to +70 °C.

Electrical data

Non-FISCO systems, when installed per drawing 500-428:

U_i	I_i	P_i	C_i	L_i
24 V	250 mA	1,2 W	0	0

FISCO systems, when installed per drawing 500-429:

U_i	I_i	P_i	C_i	L_i
17,5 V	380 mA	5,32 W	0	0

Installation instructions

The Megablock interconnection blocks shall be installed in an enclosure providing a degree of ingress protection of at least IP 54 according to EN 60529. The instructions provided by the manufacturer shall be followed in detail.

(16) **Report**

KEMA No. 2037992.

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

The electrical data shall be taken from item 15 – Electrical data as mentioned above. The connections shall be made according to drawings 500-428 or 500-429, as applicable.

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

Covered by the standards listed at (9).

(19) **Test documentation**

	<u>dated</u>
1. Drawing No. 500-418, rev. B (2 sheets)	05.08.2003
500-419, rev. B (4 sheets)	05.08.2003
500-420, rev. B (6 sheets)	30.06.2003
500-421, rev. B (6 sheets)	26.06.2003
500-422, rev. B (4 sheets)	-
500-423, rev. B (4 sheets)	-
500-424, rev. B (4 sheets)	-
500-425, rev. B (4 sheets)	-
500-431, rev. C	17.11.2003
500-432, rev. D (4 sheets)	10.09.2003
500-433, rev. E (4 sheets)	22.09.2003
500-434, rev. E (4 sheets)	10.09.2003
500-435, rev. D (4 sheets)	10.09.2003



AMENDMENT 1

to EC-Type Examination Certificate KEMA 03ATEX1555 X

Manufacturer: **Relcom Inc.**

Address: **2221 Yew Street, Forest Grove, OR 97116, USA**

Description

Connection blocks for Fieldbus systems, Series Megablock may also be constructed according to the documentation as stated below. The range is extended with Models F268 to F273.

Models F268 to F273 are used to connect up to 12 devices to a fieldbus segment.

Electrical data

Unchanged.

Installation instructions

Unchanged.

Marking

Unchanged.

Report

KEMA No. 2037992.

Special conditions for safe use

The connections shall be made according to document 502-042.

Essential Health and Safety Requirements

Unchanged.

Test documentation

See report 2037992.

Arnhem, 20 March 2006
KEMA Quality B.V.

C.G. van Es
Certification Manager