

(1) TYPE EXAMINATION CERTIFICATE

(2) Equipment intended for use in potentially explosive atmospheres – Directive 94/9/EC

(3) Type Examination Certificate Number: **KEMA 04ATEX4060**

(4) Equipment: **Air Relay types SA and SB**

(5) Manufacturer: **BETA B.V**

(6) Address: **Verrijn Stuartlaan 22, 2288 EL Rijswijk, The Netherlands**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment 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. 2070584.

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

EN 13463-1: 2001

EN 13463-5: 2003

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified equipment and not to the manufacturing process and supply of the equipment.

(12) The marking of the equipment or protective system shall include the following:



II 2 G c T6

Arnhem, 20 April 2004
KEMA Quality B.V.



T. Pijker
Certification Manager

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(13)

SCHEDULE

(14)

to Type Examination Certificate KEMA 04ATEX4060

(15) **Description**

The Air Relay types SA and SB are a pilot operated snap acting pneumatic switching elements with high accuracy. The Air Relay type SA is for normally closed operation and the Air Relay type SB is for normally open operation.

Ambient temperature range -30 °C ... +80 °C.

Connection data

Pilot supply pressure: 1,5 to 7,0 bar
 Pilot air consumption: max. 1 l/hr at 1,5 bar supply
 Signal pressure: max. 7,0 bar
 Signal flow capacity: max. 20 l/min at 1,2 bar

Installation instructions

The instructions of the manufacturer must be followed in detail to assure proper and safe operation of the relay.

Routine tests

None.

(16) **Report**

KEMA No. 2070584.

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

None.

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

Covered by the standard listed at (9).

(19) **Test documentation**

dated

1. Description	ER. NR 03.002 (3 pages)	15.01.2004
	SP251.D (9 pages)	28.01.2004
	SP252.A (4 pages)	-----
	Documentation (2 pages)	-----
2. Drawing No.	30.09.76, rev. A	28.01.2004
	30.40.03, rev. D	06.08.2002