



(1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

PTB 03 ATEX 1044 X

(4) Equipment: Explosion-proof rotary switch, types 514, 514/2 and 514/D

(5) Manufacturer: Karl Dose GmbH

(6) Address: Försterweg 77, 22525 Hamburg, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 the confidential report PTB Ex 03-11288.

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

EN 50014:1997 + A1 + A2

EN 50018:2000

EN 50019:2000

(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 EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

II 2 G EEx ed IIC T6

Zertifizierungsstelle Explosionsschutz

Braunschweig, June 16, 2003

By order:

Dr.-Ing. U. Klausmeyer
Regierungsdirektor



(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1044 X

(15) Description of equipment

The explosion-proof rotary switch, types 514, 514/2 and 514/D, consists of a brass enclosure, designed to type of protection Increased Safety "e", with up to 2 moulded cable entries, which accommodates a – separately certified – switch module of type of protection Flameproof Enclosure "d".

The cable entries are available as finish type "W" or type "Z" in accordance with DIN 89280. Only fixed cables as listed below may be used in connection with the cable entries. The user shall provide for the required cable grip.

Technical data

Rated voltage up to 380 V AC

Rated current max. 16 A

Rated cross section max. 2.5 mm²

Ambient temperature range -20 °C to +40 °C

Table showing cable diameters

Finish type "W"				Finish type "Z"			
Cable dia. mm		Sealing dia. mm	Max. torque mm	Cable dia. mm		Sealing dia. mm	Max. torque mm
From	To			From	To		
7	8.5	8	12.5	7	8.5	8	12.5
8	10.5	10	12.5	8	10.5	10	12.5
10	12.5	12	12.5	10	12.5	12	12.5
12	14.5	14	12.5	12	14.5	14	12.5
14	16.5	16	12.5	14	16.5	16	12.5
16.5	17.5	17	12.5	16	17.5	17	12.5

(16) Test report PTB Ex 03-11288

(17) Special conditions for safe use

Only fixed cables may be used in connection with the cable entries of the junction box. The user shall provide the required cable clamps.

This EC type-examination certificate as well as any future supplements thereto shall at the same time be regarded as supplements for Conformity Statement PTB No. Ex-92.C.1056.

(18) Essential health and safety requirements

met by compliance with the standards mentioned above

Zertifizierungsstelle Explosionsschutz
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