

Cable Reel type KA for Grounding Testers

The explosion-proof, slipringless cable reel with fixed cable drum and rotation winding arm for winding up the grounding cable of our grounding control devices

In combination with the Grounding Control Devices of our series EKx-3 the Cable Reel type KA serves for easy winding up and down of the grounding cable. It is driven by tension of a coil spring and designed slipringless, what means that the grounding cable is not interrupted all the way down from the control device to the grounding clamp, because it runs neither over contacts nor sliprings. The process of winding is driven by an inner coil spring, which is connected by a hub with the winding arm that rotates around the fixed cable drum. A pawl makes possible that the cable can be handled without strain.

As a non-electrical apparatus of group II 2 G the Cable Reel type KA meets the requirements of the new standard series EN 13463-1 ff. For that reason it is suitable for use in potentially explosive atmospheres of zone 1, what has been approved by a "Statement of Conformity"¹⁾ according to the European ATEX Directive 94/9/EC. Furthermore the cable reel has been designed in compliance with European Directive 2006/42/EC regarding the safety of machinery.

With this cable reel up to 10 m grounding cable of the type H07RN-F 1 x 6 mm², which is used with the EKx-3 Grounding Control Devices (or else maximum 8 m of sort 2 x 2,5 mm² chosen for container grounding), can be wound up. To the scope of supply belongs 3 pieces of rubber-bonded metal buffers for mounting the cable reel insulated from the filling frame.

1) The related Statement of Conformity is limited to that sorts of cable we use. It is not valid generally for any types of cables.



**SINCE 2003 WITH
ATEX-CERTIFICATE**

The Cable Reel is capable of winding up a maximum length of 10 m grounding cable and for that reason often used as auxiliary equipment for our Grounding Testers of the EKx-3 series.

Operating data

- Type of protection: c IIB T4
(Protection by constructional safety)
- Group of protective equipment acc. to ATEX 95:
Ex II 2 G (suitable for use in potentially explosive gas atmospheres of the zone 1)
- ATEX-Certificate No.: TÜV 03 ATEX 2252
- Range of operating temperature:
-25 °C to +60 °C [-13 °F to +140 °F]

Weight and Dimensions

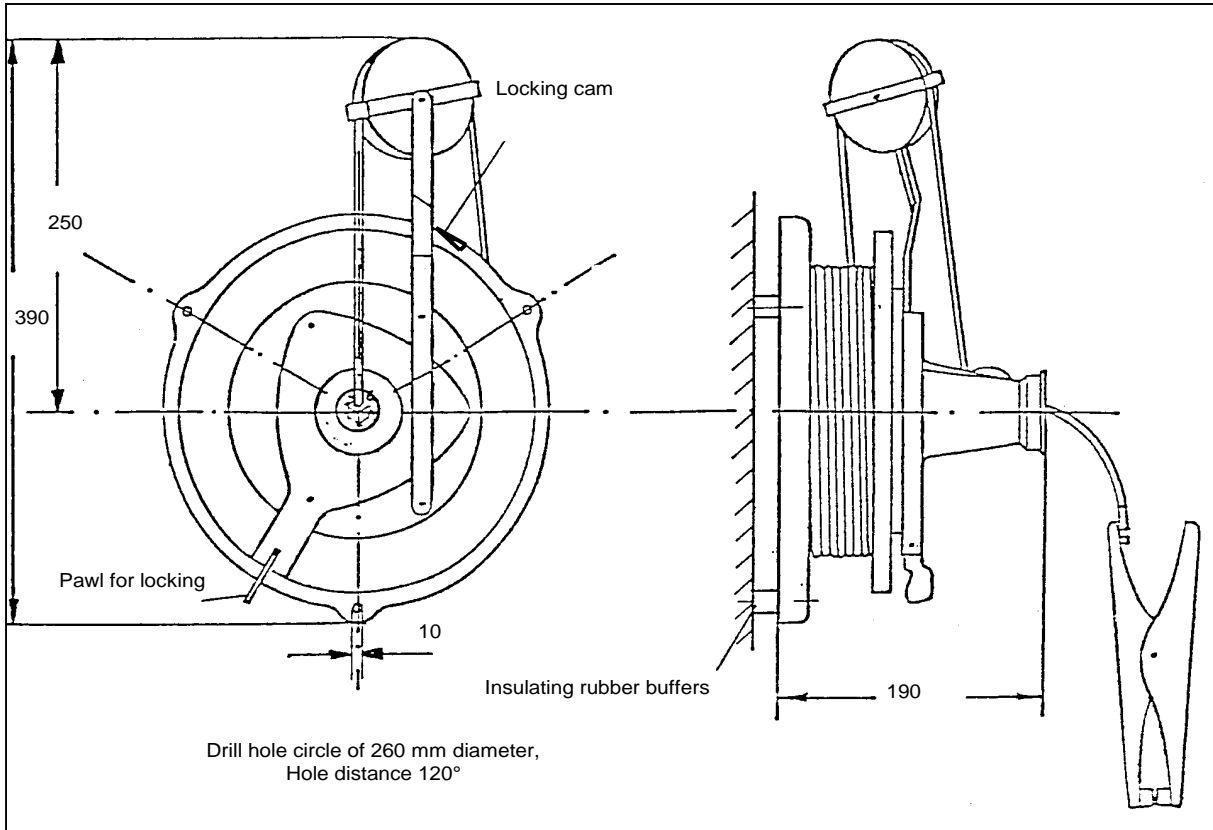
- Weight (without cable): approx. 6 kg
- Diameter of the cable drum: approx. 280 mm

H. Timm Elektronik GmbH

Humboldtstraße 29 • 21509 Glinde bei Hamburg
Tel.: +49 40 248 35 63-0 • Fax: +49 40 248 35 63-39
www.timm-elektronik.de • info@timm-elektronik.de



Dimensions diagram



ATEX Certificate (Statement of Conformity)


Translation

STATEMENT OF CONFORMITY

(1)

(2) Equipment or Protective System intended for use in potentially explosive atmospheres - **Directive 94/9/EC**

(3) Test certificate number

TÜV 03 ATEX 2252

(4) Equipment: Cable-Reel type KA Gr. II

(5) Manufacturer: Timm Elektronik GmbH

(6) Address: Humboldtstrasse 29
D - 21509 Glinde

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

(8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive 94/9/EC of March 23, 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 N° 03 YEX 550789.

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

EN 13463-1: 2001 **prEN 13463-5: 2002**

(10) If the sign "X" is placed after the certification 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 statement of conformity 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 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 c IIB T4**

TÜV NORD CERT GmbH & Co. KG
TÜV CERT-Certification Body
Am TÜV 1
D-30176 Hannover
Tel.: 0511 986-1470
Fax: 0511 986-2550

Hannover, 2002-10-27


TÜV NORD CERT

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