



1. **EC-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in
Potentially explosive atmospheres
Directive 94/9/EC**
3. Reference: **VTT 09 ATEX 051X Issue 4**
4. Equipment: **Portable cable reel**

Certified type: **SLAN^X Cable Reel 16 EX**
5. Manufactured by: **Atexor Oy**
6. Address: **Puurtajantie 16
FI-60510 Hyllykallio
Finland**
7. This equipment or protective system and any acceptable variations thereto is specified in the schedule and possible supplement(s) to this Certificate and the documents therein referred to.
8. VTT Expert Services Ltd, notified body number 0537, in accordance with Article 9 of the Council Directive 94/9/EC of 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 system 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.VTT-S-07091-09.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012)
EN 60079-7 (2007)
EN 60079-31 (2009)
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 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 Ex e d IIC T4 Gb
II 2 D Ex tb IIC T 120 °C Db
IP 66

Espoo 9.10.2014
VTT Expert Services Ltd



Kari Koskela
Expert



Risto Sulonen
Product Manager

13. **Schedule**

14. **EC-TYPE EXAMINATION CERTIFICATE VTT 09 ATEX 051X Issue 4**

15. Description of Equipment

Portable cable reel: SLAM[®] Cable Reel 16 EX

Rated values

U_N	12 V ...230 V
I_N	16 A
f_N	0 Hz, 50 Hz or 60 Hz

Construction

Portable cable reel assembly with or without the trolley consisting Exe-terminal box and one or two Ex-certified sockets. The plug is either Ex-certified type or normal industrial type.

Drawings and documents: Measurement drawings CSR16EX (2009-09-16) and CSR16EX2CS (27.2.2013)
Exploded view with part list CSR16EXb (2009-09-10) and CSR16EX2CS (27.2.2013)

16. Report No. VTT-S-07091-09.

17. Special conditions for safe use

The allowed ambient temperature range is -20 °C...+55 °C.

Permissible cable length is max 150 m and cable shall be.

- type NGMH11YÖ (H07BQ-F) 3 x 2,5 made by Helukabel
- type 91YSL91YC11Y-J 3 x 1,5 or 3 x 2,5 made by Kabelwerk Meissen-Wilhelm Meissen GmbH, or
- equivalent oil resistant cable with permissible operation temperature at conductor at least 90 °C.

When loaded with a current more than 9 A the cable shall be totally unwind from the reel. The cable reel with the cable length over 50 m shall always be used the cable totally unwind.

18. Essential Health and Safety Requirements

Met by the compliance with the standards referred in point 9.

Certificate history

	Date	Report No.	Comment
-	16.10.2009	VTT-S-07091-09	Prime certificate
Supplement 1	29.10.2009	-	Extension of allowed cable length
Issue 1	14.12.2009	-	Addition to the special conditions for safe use
Issue 2	8.3.2013	-	Introducing the new construction suitable for SELV-supply and equivalent cables as those listed. Up-dating the certificate according to the newest edition of standards.
Issue 3	7.2.2014	-	The manufacturer's name has been changed.
Issue 4	9.10.2014	-	Extension of the allowed max ambient temperature to +55 °C

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