

EC-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Component intended for use on/in equipment or protective system
intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

[3]

EC-Type Examination Certificate Number: **DEMKO 05 ATEX 0419382U**

[4]

Component: **Empty Flameproof Enclosures, type CXJ Series**

[5]

Manufacturer: **Akron Electric, Inc.**

[6]

Address: **1025 Eagon Street, Barberton, OH 44203, USA**

[7]

This Component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of components 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. **SR5375474**

[9]

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

EN 60079-0:2006

EN 60079-1:2007

[10]

The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11]

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

[12]

The marking of the component shall include the following:

 **II 2 G Ex d IIB + H₂**

Certification Manager

Jan-Erik Storgaard

This certificate may only be reproduced in its entirety and without any change, schedule included.

Date of issue: 2005-05-17

Re-issued: 2010-09-25

Notified Body

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[14]

Schedule
EC-TYPE EXAMINATION CERTIFICATE No.
DEMKO 05 ATEX 0419382U
Report: SR5375474

[15]

Description of Equipment:

The rectangular shaped, bolted flanged, empty, flameproof CXJ 4164, 664, 684, 685, 686, 6104, 6115, 6124, 6126, 6135, 6164, 6186, 6485, 7104, 7106, 7185, 884, 886, 888, 8104, 8106, 8108, 8124, 8126, 8128, 9115, 10104, 10106, 10108, 10144, 10146, 10148, 12124, 12126, 12128, 12126LW, 12184, 12186, 12188, 12205, 12244, 12246, 12248, 122410, 12306, 12364, 12366, 12368, 12468, 14144, 14146, 14148, 14286, 16164, 16166, 16168, 161812, 16246, 16248, 162410, 16306, 16366, 16426, 164610, 18184, 18186, 18188, 18246, 18248, 182410, 182412, 18308, 18368, 183610, 24248, 242410, 24308, 24368, 243610 series enclosures are constructed of 357-T6 aluminum alloy with internal volumes ranging from 192 in³ (3,146 cm³) for the CXJ 684 to 9,504 in³ (155,742 cm³) for the CXJ 243610. May be provided with or without outside or inside paint. The cover may be provided with both round and rectangular window options and plug assemblies to close the ¾-14 NPSM (suffix designation "R3") or 3/8-16 UNC (suffix designation "XMPBP") operator openings provided in the cover as depicted in the drawings noted under the "Drawing" section. The devices may also be provided with NPT conduit openings on the body sidewall and configured also as depicted in the drawings noted under the "Drawing" section.

These enclosures may also be provided with operators certified in DEMKO certificate 06 ATEX 0605697U.

Only types with suffix -N4 are suitable for use in explosive dust atmospheres.

Type variants Covered By The Approval:

<u>CXJ</u>	<u>6</u>	<u>8</u>	<u>4</u>	<u>H3</u>	<u>CEN</u>
I	II	III	IV	V	VI

I – Series Designation

CXJ - Common to all

II - Enclosure Internal Width

- 4 – 4 inches (102 mm)
- 6 – 6 inches (152 mm)
- 7 – 7 inches (177 mm)
- 8 – 8 inches (203 mm)
- 9 – 9 inches (228 mm)
- 10 – 10 inches (254 mm)
- 12 – 12 inches (304.8 mm)
- 14 – 14 inches (356 mm)
- 16 – 14 inches (406 mm)
- 18 – 18 inches (457 mm)
- 24 – 24 inches (609.6 mm)

III - Enclosure Internal Length

- 6 – 6 inches (152 mm)
- 8 - 8 inches (203 mm)
- 10 – 10 inches (254 mm)
- 11 – 11 inches (279 mm)
- 12 – 12 inches (305 mm)
- 13 – 13 inches (330 mm)
- 14 – 14 inches (356 mm)
- 16 – 16 inches (406 mm)
- 18 – 18 inches (457 mm)
- 20 – 20 inches (508 mm)
- 24 – 24 inches (609.6 mm)
- 28 – 28 inches (711.2 mm)
- 30 – 30 inches (762 mm)
- 36 – 36 inches (914.4 mm)

IV - Enclosure Base Depth

- 4 - 4 inches (102 mm)
- 5 - 5 inches (127 mm)
- 6 - 6 inches (152 mm)
- 8 – 8 inches (203 mm)
- 10 – 10 inches (254 mm)