

# 菲宝斯电子期刊 FIBOX Newsletter

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September 2016 Issue



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## I 公司新闻 Company news

**\* 菲宝斯集团已参加展会 The exhibitions FIBOX Group attended \***

- 华沙工业自动化国际贸易博览会 (WARSZAWA AUTOMATICON 是欧洲最具专业性的展览会之一，也是欧洲工业自动化厂商和制造商的盛会) 时间：2016.3.1-4 地点：波兰/华沙



- 德国汉诺威工业博览会 (HANNOVER MESSE 是全球顶级、世界排名第一的专业性、涉及工业领域最多的国际性贸易展览会) 时间：2016.4.24-28 地点：德国/汉诺威

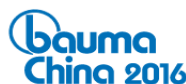


- 意大利工业自动化展 (SPS IPC DRIVES ITALIA 是全球电气自动化系统及元器件领域的顶级展会) 时间：2016.5.23-25 地点：意大利/帕尔马



**\*\*\* 即将参加展会 Coming Exhibition \*\*\***

- 2016 中国国际工程机械、建材机械、矿山机械及设备博览会 (BAUMA CHINA 2016, 中国及亚洲顶级的工程机械行业盛会) 时间：2016.11.22-25 地点：上海新国际博览中心 展位号：N3.626



中国国际工程机械、建材机械、矿山机械、工程车辆及设备博览会  
2016年11月22 - 25日 • 上海新国际博览中心

**\*\*\* 期待您来我们展位参观指导! Welcome to visit our booth! \*\*\***

## II 产品及认证信息 Product and Certificate Information

### 1. ARCA 产品信息 ARCA Product Information

- 使用寿命 5 年以上
- 可承受 1500 伏低压直流电
- 专利设计 - 安装简单快速
- 完全抗腐蚀, 不生锈



- 5+ years service life
- Bear 1500V low voltage DC
- Patent design-installation simple and fast
- Anti-corrosion

ARCA 加工中, IP66 高防水防尘等级  
ARCA processing, IP66 High degree of water and dust protection.

以 ARCA 系列为箱体的成套控制箱, 安装快速, 使用简单。  
ARCA assembled control cabinet - easy to install and to use.



## 2. ARCA 认证信息 ARCA Certificates Information

**FIBOX®**  
NEW PRODUCT UPGRADE RELEASE

For further information contact: **FOR IMMEDIATE RELEASE**

M. Diane Souffle  
Customer Service Manager  
Tel: 888-342-6987  
Email: dsouffla@fiboxusa.com  
www.fiboxusa.com

**ARCA® ENCLOSURES ACHIEVE CE CONFORMITY CERTIFICATION**

GLEN BURNIE, MARYLAND, JANUARY 6, 2009. The ARCA® JIC enclosure family, from Fibox, has been tested and certified by SGS FIMKO to comply with the European Community's Low Voltage Directive and permits use of the CE Mark. The CE Mark is recognized worldwide and CE Conformity is required for importation of electrical equipment into the European Community. ARCA enclosures were evaluated against EN 60529 and EN 62262, achieving Ingress ratings of IP66 / IP67 and an Impact rating of IK09. ARCA enclosures were also evaluated for mechanical strength (EN 60439-4) and conformity to Low Voltage Switchgear requirements (EN 62208). In addition, ARCA enclosures are UL Listed and NEMA rated Type 4, 4X, 12, and 13.

The ARCA enclosure line consists of 10 standard JIC enclosure sizes ranging from 6 x 6 x 4" D to 18 x 16 x 10" D and is available in over 100 configurations of opaque or transparent screw cover or hinged latched cover versions. This size range targets OEM instrumentation, controls, and automation applications, and accommodates larger components and high power applications.

Stylized ARCA enclosures, manufactured using injection-molded polycarbonate, a high performance plastic, provide ease of customization, robustness, superior chemical resistance, and wide temperature range. ARCA enclosures protect electrical and electronic equipment in industrial applications including chemical manufacturing, pulp and paper manufacturing, wastewater treatment systems, clean energy including wind and solar, and hostile indoor and outdoor environments.

To receive free ARCA literature, call TOLL-FREE: 888/342-6987, FAX: 410/760-6686, Email: sales@fiboxusa.com, or log on to www.fiboxusa.com.

Fibox Industries • 810 Cromwell Park Drive, Suite B • Glen Burnie, MD 21061 • Tel: 410-760-6686 • Fax: 410-760-6686

**FIBOX**  
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ARCA/EC/001/04.2016 April 20<sup>th</sup>, 2016

**DECLARATION OF CONFORMITY**

We

**Fibox Oy Ab**  
Kallaranta 19  
02150 Espoo

declare, that the product series:


**Fibox ARCA IEC**

comply with the following directives:

- The object of the declaration described above is in conformity with the relevant Union harmonization legislation: Directive 2006/95/EC (until April 19th, 2016) and Directive 2014/25/EU (from April 20th, 2016).
- RoHS directive (2011/65/EU) with respect to the substances Hg, Cd, Cr(VI), Pb, PBB, PBDE and that the following harmonized standards applies:
- EN 62208:2011 Empty enclosures for low-voltage switchgear and controlgear assemblies
- EN 60529 Degrees of protection provided by enclosures
- EN 62262 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts
- EN 61439-4 Low-voltage switchgear and controlgear assemblies. Particular requirements for assemblies for construction sites (ACS)

The product fulfills the essential safety requirements for CE conformity marking according to the Low Voltage Directive.

**Certificates:**  
SGS FIMKO NCS/FT 28305 M1

  
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ARCA IEC/MD/001/04.2016 April 20<sup>th</sup>, 2016

**MANUFACTURER'S DECLARATION**

This declaration is to certify that the enclosure products described below, manufactured by Fibox Oy Ab, Finland, conform to the following product characteristics and standards.

**Fibox ARCA IEC**

<b>Materials used:</b>	Base: Polycarbonate, PC, RAL 7035
	Grey door: Polycarbonate, PC, RAL 7035
	Glazed door: Polycarbonate, clear
	Gasket: Polyurethane, PUR

**Product characteristics**

**Ingress Protection:** IP 66 (EN/IEC 60529)  
IP 65 W-versions

**Impact strength:** Gray door: IK10 +35 °C / IK09 -25 °C (EN/IEC 62262)  
Glazed door: IK08 +35 °C / IK07 -25 °C (EN/IEC 62262)

**Mechanical strength:** 6J (EN 61439-4)

**Material Flammability Rating** Base UL 94-V0  
**Material Limiting Oxygen Index (LOI)** 36% ISO4589

**Glow Wire Test** 960°C (EN/IEC 60695-2-11, EN/IEC 60695-2-12)


**Temperature range**  
In continuous use: -40°C - +80°C  
Short term use: -40°C - +120°C

**Static loads**  
Mounting plate 2 kg/dm2  
Mounting rail 10 kg/rail, max 30 kg/cabinet  
Door 10 kg

**Totally insulated**  
Halogen free compliance (DIN/VDE 0472, Part B15)

The products fulfill the essential safety requirements for CE conformity marking according to the Low voltage Directive.  
Nominal voltage up to 1000 V AC and 1500 V DC

The products conforms to the standards:  
EN/IEC 62208, Empty enclosures for low-voltage switchgear and controlgear assemblies  
EN/IEC 61439-1, EN/IEC 61439-4, Low-voltage switchgear and controlgear assemblies  
UL 508A Industrial control panels

  
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**FIBOX**  
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ARCA IEC/UL/001/03.2015 March 4<sup>th</sup>, 2015

**MANUFACTURER'S DECLARATION**

This declaration is to certify that the enclosure products described below, manufactured by Fibox Oy Ab, conform to the following product characteristics:

**Fibox ARCA IEC**  
UL file E75645 Vol.1 Sec.10

**Product characteristics**

The enclosures are suitable for the use as  
UL Type 4, 4X, 12 and 13 according to UL 508A.


**Remarks:**

Non-metallic enclosures do not provide grounding between conduit connections. Use grounding busbars and jumper wires.

The enclosure is to be mounted using the mounting holes located in the base external to the equipment cavity, or the equipment.

The conduit hubs are to be connected to the conduit before being connected to the enclosure.

When connecting conduit to this enclosure, use only UL Listed or Recognized conduit hubs that have the same environmental type rating as the enclosure.

  
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Director, Product Management

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### III 项目应用 Project References

#### 1. 许继集团光伏电站项目

项目名称：许继集团光伏电站  
 Project: XJ Group Solar Power Plant  
 产品型号：CAB PC 604022 G  
 Product: CAB PC 604022 G  
 项目地点：永昌/甘肃  
 Location: Yongchang/Gansu



#### 2. 印度 Azure Power 光伏电站项目

项目名称：Azure Power 光伏电站项目  
 Project: Azure Power Solar Power Plant Project  
 产品型号：CAB PCQ 604021 T  
               CAB PCQ 404017 T  
 Product: CAB PCQ 604021 T  
               CAB PCQ 404017 T  
 项目地点：印度  
 Location: India

