



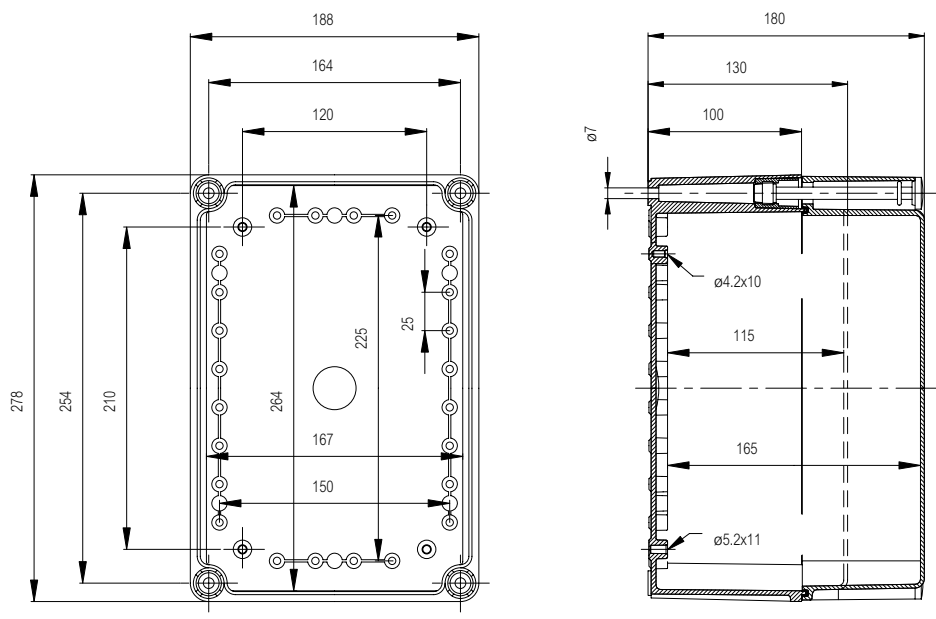
Sample photo

**Order symbol:** FEX 2819 18 G  
**Product nbr:** 4130811  
**Description:** Enclosure, PC  
**Remarks:** EEx e II

**EAN:** 6418074007933  
**El. number:**  
 Finland 3424646  
 Denmark 8212026366  
 Italy 7801125

**Including:** Base with screws for mounting plate/DIN-rail, cover with silicone gasket and polyamide cover screws.

Dimensions:				Rating:	
	L	W	H		
mm:	278	188	180	<b>Ingress Protection (EN 60529):</b> IP 66/67	
inch:	10.9	7.4	7.1	<b>Impact Resistance (EN 50102):</b> IK 08/09	
Materials:				<b>Impact Resistance (EN 50014):</b> 4J	
<b>Material:</b>	PC			<b>Electrical insulation:</b> Totally insulated	
<b>Base colour:</b>	RAL 7035			<b>Halogen free (DIN/VDE 0472, Part 815):</b> Yes	
<b>Cover colour:</b>	RAL 7035			<b>UV resistance:</b> UL 508	
<b>Cover screws material:</b>	Polyamide			<b>Flammability Rating (UL 746 C 5):</b> UL 94 5V	
<b>Cover screws colour:</b>	Grey			<b>Glow Wire Test (IEC 695-2-1) °C:</b> 960	
<b>Gasket material:</b>	Silicone			<b>NEMA Class:</b> NEMA 1, 4, 4X, 6, 12, 13	
Temperatures:				Certificates:	
<b>Short term:</b>	-40 ... 120 °C			<b>ATEX</b>	
<b>Continuous:</b>	-10 ... 80 °C			<b>EC Certificate of Conformity</b>	
<b>Short term:</b>	-40 ... 250 °F				
<b>Continuous:</b>	14 ... 175 °F				
Accessories:					





1. **EC-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in  
Potentially explosive atmospheres  
Directive 94/9/EC**
3. Reference: **VTT 06 ATEX 030U**
4. Component: **Empty enclosures**  
Certified types: **FEX PC-7**
5. Manufactured by: **Fibox Enclosure Systems Oy, Finland**
6. Address: **Jorvaksenniitty  
FIN-024200 Jorvas  
Finland**
7. This component and any acceptable variations thereto is specified in the schedule and possible supplements to this Certificate and the documents therein referred to.
8. VTT (former VTT Industrial Systems), notified body number 0537, in accordance with Article 9 of the Council Directive 94/9/EC of March 1994, certifies that this component 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 no. VTT-S-01894-06.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 (2004)**  
**EN 60079-7 (2003)**  
**EN 61241-0 (2004)**  
**EN 61241-1 (2004)**

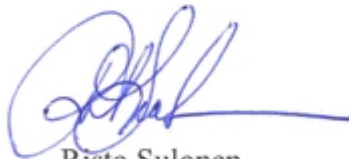


10. The sign "U" after the certificate number indicates that this Certificate is a component certificate and it may be used as a base for a complete certification of the electrical equipments.
11. This EC-Type examination certificate relates only to the design, examination and tests of the specified component in accordance to 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 GD****EEx e II****EEx tD A21 IP 66**

Espoo, 23.2.2006

VTT

Risto Sulonen  
Senior research scientistPertti Kokkonen  
Research engineer

Note. The name of the Notified Body no. 0537 was VTT Industrial Systems until 31.12.2005.

13. **Schedule**14. **EC-TYPE EXAMINATION CERTIFICATE VTT 06 ATEX 030U**

## 15. Description of Component

Enclosures, Type FEX PC-7..., for fixed installation, made of polycarbonate.

Construction

The construction of the enclosures is specified in the following drawings and documents:

Drawing no.	Signed
4T 11028-1 )	
253MB10256 J )	
253MB10563 C )	
1T 11028-2 D )	
0MB 10320 H )	
1MB 10810 B )	
1MB 10811 B )	
1MB 10812 C )	
1MB 10813 B )	
1MB 10814 G )	
1MB 10816 E )	
1MB 10817 E )	18.09.1998
1MB 10143 U )	
1MB 10144 L )	
1MB 10145 M )	
1MB 10146 R )	
1MB 10147 R )	
1MB 10555 H )	
1MB 10556 H )	
1MB 10557 D )	
1MB 10558 H )	
1MB 10559 H )	
1MB 10096 N )	
4T 10822 F )	03.06.2003
3D 10581 B )	17.09.1998
YLO-035 A )	24.5.2003



## EC CERTIFICATE OF CONFORMITY

**Manufacturer:** Fibox Oy Enclosure Systems  
P O Box 16  
02421 JORVAS  
Finland

herewith declares that:

**Fibox FEX PC-7** polycarbonate enclosure products as presented in Fibox Main Catalogue and [www.fibox.com](http://www.fibox.com) are in conformity with the provisions of ATEX Directive (94/9/EC)

and the following standards:

- SFS-EN 13980 Potentially explosive atmospheres. Application of quality systems
- EN 50014 Electrical apparatus for potentially explosive atmospheres  
General requirements
- EN 50019 Electrical apparatus for potentially explosive atmospheres  
Increased safety "e"


and the relevant Users Manual.


**Certificates:**

- VTT 03 ATEX Q 002
- VTT 03 ATEX 043U
- VTT 03 ATEX 136U

**Marking:**

**Fibox Oy, FIN-Jorvas** [www.fibox.com](http://www.fibox.com)  
**FIBOX FEX PC-7 Enclosure**

0537  II 2 G EEx e II  
VTT No. VTT 03 ATEX 043U

 II 3 D IP 54  
VTT No. VTT 03 ATEX 136U

Warning: Wet Cleaning only

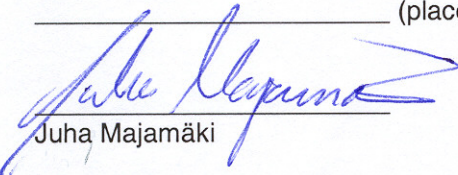
**FIBOX**

Jorvas

07.12.2004

(place)

(date)

  
Juha Majamäki

  
Jouko Lassila

Director, Supply Chain Management  
& Quality  
Fibox Oy Enclosure Systems

Quality Manager  
Fibox Oy Enclosure Systems