



Sample photo

Order symbol: FEX 3828 13 T
Product nbr: 4120804
Description: Enclosure, PC
Remarks: EEX e II

EAN: 6418074008022
EI. number:
 Finland 3424662
 Denmark 8212026476
 Italy 7801050

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

Dimensions:	L	W	H
mm:	378	278	130
inch:	14.9	10.9	5.1

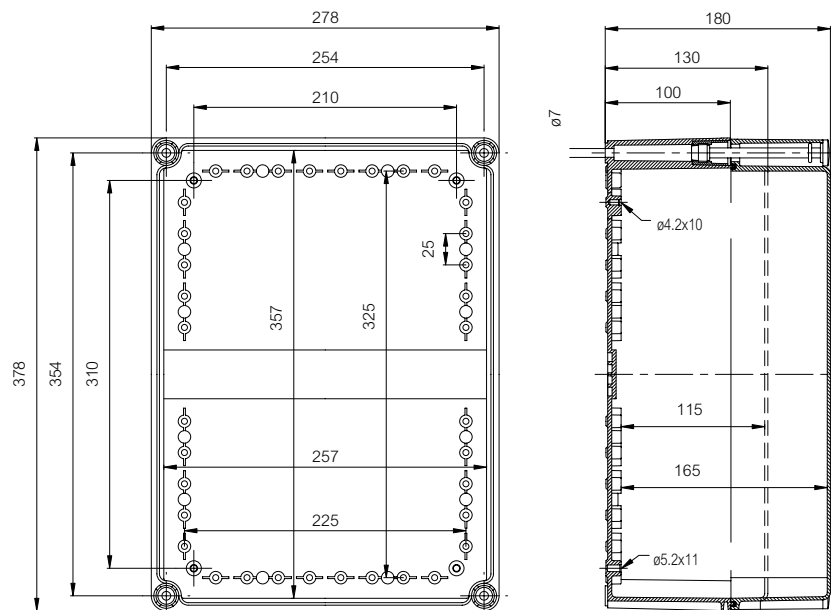
Materials:	
Material:	PC
Base colour:	RAL 7035
Cover colour:	Clear transparent
Cover screws material:	Polyamide
Cover screws colour:	Grey
Gasket material:	Silicone

Temperatures:	
Short term:	-40 ... 120 °C
Continuous:	-10 ... 80 °C
Short term:	-40 ... 250 °F
Continuous:	14 ... 175 °F

Accessories:

Rating:
Ingress Protection (EN 60529): IP 66/67
Impact Resistance (EN 50102): IK 08/09
Impact Resistance (EN 50014): 4J
Electrical insulation: Totally insulated
Halogen free (DIN/VDE 0472, Part 815): Yes
UV resistance: UL 508
Flammability Rating (UL 746 C 5): UL 94 5V
Glow Wire Test (IEC 695-2-1) °C: 960
NEMA Class: NEMA 1, 4, 4X, 6, 12, 13

Certificates:
ATEX
EC Certificate of Conformity





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)

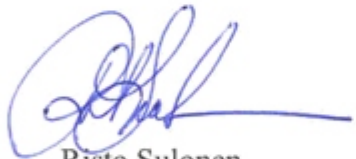


10. The sign "U" after the certificate number indicates that this Certificate is a component certificate and it may be used as a base for a complete certification of the electrical equipments.
11. This EC-Type examination certificate relates only to the design, examination and tests of the specified 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

Degree of protection

The degree of protection of IP 66 to EN 60529 is only achieved if Ex-certified cable entries are used that are suitable for the application and correctly installed.

16. Report No. VTT-S-01894-06.

17. Special conditions for safe use

The clearances and creepage distances of the mounted electrical apparatus in type of protection increased safety "e" shall satisfy the requirements stated in Clause 4.4 (Table 1) and Clause 4.5 of EN 60079-7.

Internal connection facilities for earthing or bonding conductors shall satisfy the requirements stated in Clause 15 of EN 60079-0.

Operating temperature range: -10 °C ... +80 °C

18. Essential Health and Safety Requirements

Met by the compliance with the standards: EN 60079-0, EN 60079-7
EN 61241-0, EN 61241-1

Espoo, 23.2.2006

VTT

Risto Sulonen
Senior research scientist

Pertti Kokkonen
Research engineer

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 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
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

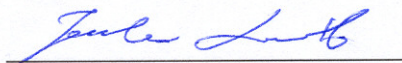
Jorvas

07.12.2004

(place)

(date)


Juha Majamäki


Jouko Lassila

Director, Supply Chain Management
& Quality
Fibox Oy Enclosure Systems

Quality Manager
Fibox Oy Enclosure Systems