



IP68高防水型 ポリカーボネートボックス UPCシリーズ

IP68 試験成績証明書

試験成績証明書 説明事項

1. UPCシリーズの製造元はフィンランドのENSTO社です。

本成績証明書はENSTO社より提供されたSGS CERTIFICATE による試験成績証明書になります。

弊社はこの成績証明書をもって、UPCシリーズをIP68の性能を有する製品とみなしています。

2. 本成績書に Type Polybox と記載されていますが、ENSTO社ではUPCシリーズをPolyboxと呼称しています。3ページの製品型番一覧に弊社UPCシリーズと対応する型番対比を追記しています。

3. 本成績書に IP68(2m / 24h) と記載されていますが、水深2メートルで24時間水没試験を行ったという事になります。

4. 本製品は、穴加工を施した場合、IP68の性能は失われます。

穴加工を施したり、コネクタ・スイッチ等の部品を取付けた製品については、本成績書の適用は不可となりますのでご了承下さい。

5. お客様にて、本成績書を部分的に複写してのご使用は不可とさせていただきます。

本成績書をお客様のWEBサイトにアップ希望される場合は使用目的を明記の上、弊社開発部までEメールにてご連絡をお願いいたします。

(無断でのWEBサイトアップ、部分複写は禁止としております。)

2023年4月19日

株式会社タカチ電機工業 開発部

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CERTIFICATE FI/41227

Our Ref. HEL-CERT211001254-01



Product Range of enclosures
Type Polybox
Trademark ENSTO
Certificate Holder Ensto Building Systems Finland Oy
Ensio Miettisen katu 2
FI-06150, Porvoo, Finland

Technical information
Degree of protection (EN 60529) IP66 / IP68 (2 m / 24 h) / IP69
Mechanical strength (EN 62262) IK10 +40 °C / -35 °C
Static loads Mounting plate 5,66 kg/dm², Doors 9,1 kg
Rated voltage 1000 V a.c. / 1500 V d.c.

Other information
Empty wall mount enclosure.
See pages 2-4 of this Certificate

The product is certified according to the following standard(s)
EN 62208:2011:2011

Validity
This certificate is valid until 2023-10-01 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.

Date of issue 2021-10-27

SGS Fimko Ltd

Signature



Sixten Lökfors
Project Manager



Manufacturer Ensto Building Systems Finland Oy
Ensio Miettisen katu 2
FI-06150, Porvoo, Finland

Manufacturing site Ensto Building Systems OÜ
Keki 1
EE-76606, Keila, Estonia

Directive information The certified product(s) fulfils requirements of mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.

Additional information Serie includes enclosures of dimension:
223x172x134 mm up to 482x466x286 mm

The product has also been subjected to additional glow-wire test at temperature 850 °C besides at the required 650 °C.

The product fulfils these requirements.

The product has been subjected to voltage test 3300 V a.c. and 5730 V d.c.
The product fulfils these requirements.

IPX9: Eurofins Report no S-04112-18

Material polycarbonate (PC)

- f1: suitable for outdoor use with respect to exposure to ultraviolet light
- water Exposure and immersion in accordance with UL 746C

Gray or clear cover, Lift-Off 4 or 6 screws
Hinged and metal or nonmetal snap latch
Hinged and screws

Additional information

	Type Gray cover	Size (HxWxD mm)	Type Clear cover	Size (HxWxD mm)
	UPCG080604	223x172x134	UPCT080604	223x172x134
	UPCG080604F	223x172x134	UPCT080604F	223x172x134
UPC172213G	UPCG080604HML	223x204x134	UPCT080604HML	223x204x134
	UPCG080604HMLF	223x204x134	UPCT080604HMLF	223x204x134
	UPCG080604HNL	223x204x134	UPCT080604HNL	223x204x134
	UPCG080604HNLF	223x204x134	UPCT080604HNLF	223x204x134
	UPCG080604HS	223x210x134	UPCT080604HS	223x210x134
	UPCG080604HSF	223x210x134	UPCT080604HSF	223x210x134
	UPCG100806	276x225x185	UPCT100806	276x225x185
	UPCG100806F	276x225x185	UPCT100806F	276x225x185
UPC232818G	UPCG100806HML	276x257x185	UPCT100806HML	276x257x185
	UPCG100806HMLF	276x257x185	UPCT100806HMLF	276x257x185
	UPCG100806HNL	276x257x185	UPCT100806HNL	276x257x185
	UPCG100806HNLF	276x257x185	UPCT100806HNLF	276x257x185
	UPCG100806HS	276x263x185	UPCT100806HS	276x263x185
	UPCG100806HSF	276x263x185	UPCT100806HSF	276x263x185
	UPCG121006	326x276x185	UPCT121006	326x276x185
	UPCG121006F	326x276x185	UPCT121006F	326x276x185
UPC283318G	UPCG121006HML	326x308x185	UPCT121006HML	326x308x185
	UPCG121006HMLF	326x308x185	UPCT121006HMLF	326x308x185
	UPCG121006HNL	326x308x185	UPCT121006HNL	326x308x185
	UPCG121006HNLF	326x308x185	UPCT121006HNLF	326x308x185
	UPCG121006HS	326x314x185	UPCT121006HS	326x314x185
	UPCG121006HSF	326x314x185	UPCT121006HSF	326x314x185
	UPCG141206	377x354x185	UPCT141206	377x354x185
	UPCG141206F	377x354x185	UPCT141206F	377x354x185
UPC333818G	UPCG141206HML	377x356x185	UPCT141206HML	377x356x185
	UPCG141206HMLF	377x356x185	UPCT141206HMLF	377x356x185
	UPCG141206HNL	377x358x185	UPCT141206HNL	377x358x185
	UPCG141206HNLF	377x358x185	UPCT141206HNLF	377x358x185
	UPCG141206HS	377x361x185	UPCT141206HS	377x361x185
	UPCG141206HSF	377x361x185	UPCT141206HSF	377x361x185
	UPCG161408	429x406x228	UPCT161408	377x354x185
	UPCG1614086F	429x406x228	UPCT161408F	377x354x185
UPC384323G	UPCG161408HML	429x409x228	UPCT161408HML	377x356x185
	UPCG161408HMLF	429x409x228	UPCT161408HMLF	377x356x185
	UPCG161408HNL	429x410x228	UPCT161408HNL	377x358x185
	UPCG161408HNLF	429x410x228	UPCT161408HNLF	377x358x185
	UPCG161408HS	429x414x228	UPCT161408HS	377x361x185
	UPCG161408HSF	429x414x228	UPCT161408HSF	377x361x185
	UPCG181610	482x459x286	UPCT181610	482x459x286
	UPCG181610F	482x459x286	UPCT181610F	482x459x286
UPC434829G	UPCG181610HML	482x463x286	UPCT181610HML	482x463x286
	UPCG181610HMLF	482x463x286	UPCT181610HMLF	482x463x286
	UPCG181610HNL	482x463x286	UPCT181610HNL	482x463x286
	UPCG181610HNLF	482x463x286	UPCT181610HNLF	482x463x286
	UPCG181610HS	482x466x286	UPCT181610HS	482x466x286
	UPCG181610HSF	482x466x286	UPCT181610HSF	482x466x286

Accessories

Mounting plates: UBP...
 Corner elevator kit: UEL1.04
 Hinged front panel kit: UHFK...
 Mounting flange kits: UMF....
 Mounting feet kit: UMB1.04

This certificate replaces certificate FI/40494/A1, dated 2021-04-30, due to added new types.

Based on: HELES2110001087-1, 298320-3 and 293299-1