

Certificate of Compliance

Certificate Number:

UL-US-2306644-3

Report Reference:

E529977-20230214

Issue Date:

2024-07-08

Issued to:

Bumhan Co Ltd

**94-5 DEOKCHEON-RO MANAN-GU ANYANG-SI, Gyeonggi-do
430-815**

Republic of Korea

This certificate confirms that representative samples of:

XPTQ2 - Transformers, General Purpose - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 5085-1, Edition 1, Issue Date 2006-04-17, Revision Date 2022-06-02, UL 5085-2, 2nd Ed., Issue Date: 2021-08-16

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



David Piecuch

UL Mark Certification Program Manager



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2306644-3
Report reference E529977-20230214
Date 2024-07-08

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
BH3TB , BH3TB-HA1.5KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA10KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA15KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA1KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA20KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA2KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA30KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA3KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA40KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA500UL	Three-phase general purpose transformers
BH3TB , BH3TB-HA50KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA5KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA7.5KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB-01, Cat. Nos. BH3TB, followed by -HB, followed by 10K, 15K, 20K, 30K, 40K or 50K, followed by UL, may be followed by -01.	Three-phase general purpose Transformers
BH3TB , BH3TB-HB10KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB15KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB20KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB30KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB40KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB50KUL	Three-phase general purpose transformers
BH3TB-HD, followed by -HD, followed by 60K, 75K or 100K, followed by UL.	General Purpose Transformer



David Piecuch
UL Mark Certification Program Manager

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Certificate of Compliance

Certificate Number:

UL-US-2421240-0

Report Reference:

E529977-20240604

Issue Date:

2024-06-17

Issued to:

Bumhan Co Ltd

**94-5 DEOKCHEON-RO MANAN-GU ANYANG-SI, Gyeonggi-do
430-815**

Republic of Korea

This certificate confirms that representative samples of:

XPTQ2 - Transformers, General Purpose - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**UL 5085-2, 2nd Ed., Issue Date: 2021-08-16, UL 5085-1, Edition 1,
Issue Date 2006-04-17, Revision Date 2022-06-02**

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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David Piecuch

UL Mark Certification Program Manager



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CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2421240-0
Report reference E529977-20240604
Date 2024-06-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
BH3TB, followed by HC, followed by 500, 1K, 1.5K, 2K, 3K, 5K, 7.5K, 10K, 15K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, 120K, 150K, 200K, followed by UL.	3phase general purpose transformer



David Piecuch
UL Mark Certification Program Manager

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Certificate of Compliance

Certificate Number:

UL-US-2441592-0

Report Reference:

E529977-20241029

Issue Date:

2024-10-30

Issued to:

Bumhan Co Ltd

**94-5 DEOKCHEON-RO MANAN-GU ANYANG-SI, Gyeonggi-do
430-815**

Republic of Korea

This certificate confirms that representative samples of:

XPTQ2 - Transformers, General Purpose - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 5085-1, Edition 1, Issue Date 2006-04-17, Revision Date 2022-06-02, UL 5085-2, 2nd Ed., Issue Date: 2021-08-16

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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Look for the UL Recognized Component Mark on the product.



A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch

UL Mark Certification Program Owner

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CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2441592-0
Report reference E529977-20241029
Date 2024-10-30

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
BH3TB-HE, followed by 10K, 15K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, followed by UL.	General Purpose Transformer



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Certificate of Compliance

Certificate Number:

UL-CA-2305774-3

Report Reference:

E529977-20230214

Issue Date:

2024-07-08

Issued to:

Bumhan Co Ltd

**94-5 DEOKCHEON-RO MANAN-GU ANYANG-SI, Gyeonggi-do
430-815**

Republic of Korea

This certificate confirms that representative samples of:

**XPTQ8 - Transformers, General Purpose Certified for Canada -
Component**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**CSA C22.2 NO. 66.2:21, 2nd Ed., Issue Date: 2021-08-16, CSA
C22.2 No. 66.1, 1st Ed., Issue Date: 2006-04-01, Revision Date:
2013-12-01**

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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David Piecuch

UL Mark Certification Program Manager



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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2305774-3
Report reference E529977-20230214
Date 2024-07-08

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
BH3TB , BH3TB-HA1.5KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA10KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA15KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA1KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA20KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA2KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA30KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA3KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA40KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA500UL	Three-phase general purpose transformers
BH3TB , BH3TB-HA50KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA5KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HA7.5KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB-01, Cat. Nos. BH3TB, followed by -HB, followed by 10K, 15K, 20K, 30K, 40K or 50K, followed by UL, may be followed by -01.	Three-phase general purpose Transformers
BH3TB , BH3TB-HB10KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB15KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB20KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB30KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB40KUL	Three-phase general purpose transformers
BH3TB , BH3TB-HB50KUL	Three-phase general purpose transformers
BH3TB-HD, followed by -HD, followed by 60K, 75K or 100K, followed by UL.	General Purpose Transformer



David Piecuch
UL Mark Certification Program Manager

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Certificate of Compliance

Certificate Number:

UL-CA-2417029-0

Report Reference:

E529977-20240604

Issue Date:

2024-06-17

Issued to:

Bumhan Co Ltd

**94-5 DEOKCHEON-RO MANAN-GU ANYANG-SI, Gyeonggi-do
430-815**

Republic of Korea

This certificate confirms that representative samples of:

**XPTQ8 - Transformers, General Purpose Certified for Canada -
Component**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**CSA C22.2 No. 66.1, 1st Ed., Issue Date: 2006-04-01, Revision
Date: 2013-12-01, CSA C22.2 NO. 66.2:21, 2nd Ed., Issue Date:
2021-08-16**

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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Look for the UL Recognized Component Mark on the product.



David Piecuch

UL Mark Certification Program Manager



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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2417029-0
Report reference E529977-20240604
Date 2024-06-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
BH3TB, followed by HC, followed by 500, 1K, 1.5K, 2K, 3K, 5K, 7.5K, 10K, 15K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, 120K, 150K, 200K, followed by UL.	3phase general purpose transformer



David Piecuch
UL Mark Certification Program Manager

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Certificate of Compliance

Certificate Number:

UL-CA-2431513-0

Report Reference:

E529977-20241029

Issue Date:

2024-10-30

Issued to:

Bumhan Co Ltd

**94-5 DEOKCHEON-RO MANAN-GU ANYANG-SI, Gyeonggi-do
430-815**

Republic of Korea

This certificate confirms that representative samples of:

**XPTQ8 - Transformers, General Purpose Certified for Canada -
Component**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**CSA C22.2 No. 66.1, 1st Ed., Issue Date: 2006-04-01, Revision
Date: 2013-12-01, CSA C22.2 NO. 66.2:21, 2nd Ed., Issue Date:
2021-08-16**

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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Look for the UL Recognized Component Mark on the product.



A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch

UL Mark Certification Program Owner

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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2431513-0
Report reference E529977-20241029
Date 2024-10-30

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
BH3TB-HE, followed by 10K, 15K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, followed by UL.	General Purpose Transformer



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Certificate of Compliance

Certificate Number:

UL-US-2559741-0

Report Reference:

E529977-20250422

Issue Date:

2025-04-22

Issued to:

Bumhan Co Ltd
94-5 DEOKCHEON-RO MANAN-GU, ANYANG-SI, GYEONGGI-DO,
430-815, KR

This certificate confirms that representative samples of:

XPTQ2 - Transformers, General Purpose - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 5085-1, Edition 1, Issue Date 2006-04-17, Revision Date 2022-06-02, UL 5085-2, 2nd Ed., Issue Date: 2021-08-16

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2559741-0
Report reference E529977-20250422
Date 2025-04-22

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

General Purpose Transformer

Model(s): BH3TB-HF followed by, 150, 500, 1K, 1.5K, 2K, 3K, 5K, 7.5K, 10K, 15K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, 120K or 150K followed by UL.



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Certificate of Compliance

Certificate Number:
UL-CA-2544630-0

Report Reference:
E529977-20250422

Issue Date:
2025-04-22

Issued to:

Bumhan Co Ltd
94-5 DEOKCHEON-RO MANAN-GU, ANYANG-SI, GYEONGGI-DO,
430-815, KR

This certificate confirms that representative samples of:

XPTQ8 - Transformers, General Purpose Certified for Canada - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

CSA C22.2 No. 66.1, 1st Ed., Issue Date: 2006-04-01, Revision Date: 2013-12-01, CSA C22.2 NO. 66.2:21, 2nd Ed., Issue Date: 2021-08-16

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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CERTIFICATE OF COMPLIANCE

Certificate number	UL-CA-2544630-0
Report reference	E529977-20250422
Date	2025-04-22



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CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2544630-0
Report reference E529977-20250422
Date 2025-04-22

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

General Purpose Transformer

Model(s): BH3TB-HF followed by, 150, 500, 1K, 1.5K, 2K, 3K, 5K, 7.5K, 10K, 15K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, 120K or 150K followed by UL.



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