



Licence

for the use of SIQ Type Approved certification mark

Number: SI-SIQ BG 004/227 **Project file:** C20192547

Product: Buffer Module

Type reference: DRB-24V020ABX and DRB-24V040ABX (where X can be any alphanumeric character or blank, non safety relevant information)

Trademark: DELTA ELECTRONICS, INC.

Ratings: See page 2

Applicant / Licensee: Delta Electronics (Thailand) Public Co., Ltd.
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road,
Tambol Phraksa, Amphur Muang, Samutprakarn TH-10280, Thailand

Manufacturer: Delta Electronics (Thailand) Public Co., Ltd.
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road,
Tambol Phraksa, Amphur Muang, Samutprakarn TH-10280, Thailand

SIQ hereby grants the right to use the SIQ Type Approved certification mark of conformity on the products specified in this document. The SIQ Type Approved certification mark of conformity signifies the compliance of the products with requirements of cited standards.

Certification mark:



Standard: EN 62368-1:2014 + A11:2017

Test report: T223-0639/19 dated 2019-11-25

Remarks: This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This licence is valid as long as the conditions laid down in the listed standards are not modified significantly and until the licensee complies with the SIQ's rules on product certification.

Date: 2019-11-25

Authorized signature:

Bojan Pečavar

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Licence

for the use of SIQ Type Approved certification mark

Number: SI-SIQ BG 004/227

Additional remarks:

The list of critical components of the product for which this licence is granted is included in the test report.

Unit was also investigated and found to be in compliance with clearance and creepage distance requirements of clause 4.4.7.4 and 4.4.7.5 of IEC/EN 62477-1:2012 +A11:2014 for OVC I (1500V transient) and altitude of 2500m. Output was classified as DVC A. DVC A means that output meets SELV limits for an area of contact equal to human hand under dry condition.

Requirements in EN 60204-1:2006 + A1:2009 (clearance and creepage distances) and IEC 62103-1:2003 (safety part only) are also verified and found to be less strict than in above mentioned standards. Output must be earthed in the final unit in order to comply with PELV requirements according to standard EN 60204-1:2006 + A1:2009.

Places of manufacture, inspection file number:

Delta Electronics (Thailand) Public Co., Ltd.
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.),
Pattana 1 Road, Tambol Phraksa, Amphur Muang,
Samutprakarn TH-10280, Thailand
(Inspection file number: 16343-16343)

Delta Electronics (Jiangsu) Ltd.
No. 1688 Jiangxing East Road,
Wujiang Economics Development Zone,
Song Ling Town, Wujiang City,
Jiangsu Province, CN-215200, China
(Inspection file number: 16343-27133)

Ratings:

DRB-24V020ABX:
Input: 24 Vd.c. / 20 A
Output: 24 Vd.c. / 20 A (buffer time 20 A / 0,25 s; 1 A / 5s)

DRB-24V040ABX:
Input: 24 Vd.c. / 40 A
Output: 24 Vd.c. / 40 A (buffer time 40 A / 0,2 s; 1 A / 8 s)

Limitation:

/

Date: 2019-11-25

Authorized signature:

Bojan Pečavar





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Manufacturer: Delta Electronics (Thailand) Public Co., Ltd.
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Certification mark:



Standard: EN 60950-1:2006 + A1:2010 + A2:2013 + A11:2009 + A12:2011

Test report: T223-0638/19 dated 2019-11-07

Remarks: This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This licence is valid as long as the conditions laid down in the listed standards are not modified significantly and until the licensee complies with the SIQ's rules on product certification.

Date: 2019-11-11

Authorized signature:

Bojan Pečavar

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Number: SI-SIQ BG 004/226

Additional remarks:

The list of critical components of the product for which this licence is granted is included in the test report.

Unit was also investigated and found to be in compliance with clearance and creepage distance requirements of clause 4.4.7.4 and 4.4.7.5 of IEC/EN 62477-1:2012 +A11:2014 for OVC I (1500V transient) and altitude of 2500m. Output was classified as DVC A. DVC A means that output meets SELV limits for an area of contact equal to human hand under dry condition.

Requirements in EN 60204-1:2006 + A1:2009 (clearance and creepage distances) and IEC 62103-1:2003 (safety part only) are also verified and found to be less strict than in above mentioned standards. Output must be earthed in the final unit in order to comply with PELV requirements according to standard EN 60204-1:2006 + A1:2009.

Places of manufacture, inspection file number:

Delta Electronics (Thailand) Public Co., Ltd.
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.),
Pattana 1 Road, Tambol Phraksa, Amphur Muang,
Samutprakarn TH-10280, THAILAND
(Inspection file number: 16343-16343)

Delta Electronics (Jiangsu) Ltd.
No. 1688 Jiangxing East Road,
Wujiang Economics Development Zone,
Song Ling Town, Wujiang City,
Jiangsu Province, CN-215200, China
(Inspection file number: 16343-27133)

Ratings:

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Output: 24 Vd.c. / 20 A (buffer time 20 A / 0,25 s; 1 A / 5s)

DRB-24V040ABX:
Input: 24 Vd.c. / 40 A
Output: 24 Vd.c. / 40 A (buffer time 40 A / 0,2 s; 1 A / 8 s)

Limitation:

This License for the use of SIQ Type Approved certification mark substitutes previously issued license No. SI-SIQ BG 004/062, dated 2013-10-30, due to update of the report.

Date: 2019-11-11

Authorized signature:

Bojan Pečavar

