

# Licence

## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/273 **Project file:** C20201571

**Product:** DIN Rail Power Supply

**Type reference:** DRM-24V480W1PX(y); X: any alphanumeric character except Y and Z or blank; (y): any alphanumeric character or blank

**Trademark:** DELTA ELECTRONICS, INC.

**Ratings:** Input: 100-240 Vac; 5.5 A; 50-60 Hz; & 110-300Vdc; 5.0A  
Output: 24 Vdc; 20 A  
Output is adjustable from 24 to 28V with max output power 480 W.

**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

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**Certification mark:**



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

**Test report:** T223-0438/20 (2020-07-30)

**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:** 2020-07-31

**Authorized signature:** Bojan Pečavar



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**Number:** SI-SIQ BG 004/273

**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 III 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, P.R China  
(Inspection file number: 16343-27133)

**Limitation:**

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**Date:** 2020-07-31

**Authorized signature:** Bojan Pečavar





# Licence

## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/130 **Project file:** C20160972

**Product:** DIN Rail Power Supply

**Type reference:** DRM-24V480W1PX(y); X: any alphanumeric character except Y and Z or blank; (y): any alphanumeric character or blank)

**Trademark:** DELTA ELECTRONICS, INC.

**Ratings:** Input: 100-240 Vac; 5.5 A; 50-60 Hz & 110-300 Vdc; 5 A  
Output: 24 Vdc; 20 A

**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

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**Certification mark:**



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

**Test report:** T223-0303/16, dated 2016-04-25

**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:** 2016-04-25

**Authorized signature:**

Bojan Pečavar

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**Number:** SI-SIQ BG 004/130

**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 III and altitude of 2000m. 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, P.R China  
(Inspection file number: 16343-27133)

**Limitation:**

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**Date:** 2016-04-25

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# Licence

## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/132 **Project file:** C20160972

**Product:** DIN Rail Power Supply

**Type reference:** DRM-24V480W1PX(y); X: any alphanumeric character except Y and Z or blank; (y): any alphanumeric character or blank

**Trademark:** DELTA ELECTRONICS, INC.

**Ratings:** Input: 100-240 Vac; 5.5 A; 50-60 Hz & 110-300 Vdc; 5 A  
Output: 24 Vdc; 20 A

**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,  
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**Certification mark:**



**Standard:** EN 61010-1:2010, EN 61010-2-201:2013

**Test report:** T223-0324/16, T223-0325/16

**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:** 2016-05-05

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Bojan Pečavar

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## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/132

**Additional remarks:**

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

The examination proved that all test requirements were met. Unit was also investigated and found to be in compliance with clearance and creepage distance requirements for following standards: EN50178:1997 (overvoltage category III), EN60204-1:2006/A1:2009 and IEC 62103:2003.

**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  
(16343-16343)

Delta Electronics (Jiangsu) LTD.  
No 1688 Jiangxing East Rd., Wujiang Economic Development Zone, Wujiang City, Jiangsu  
Province, CN-215200, China  
(16343-27133)

**Limitation:**

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**Date:** 2016-05-05

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# Licence

## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/131 **Project file:** C20160972

**Product:** DIN Rail Power Supply

**Type reference:** DRM-24V480W1PX(y); X: any alphanumeric character except Y and Z or blank; (y): any alphanumeric character or blank

**Trademark:** DELTA ELECTRONICS, INC.

**Ratings:** Input: 100-240 Vac; 5.5 A; 50-60 Hz & 110-300 Vdc; 5 A  
Output: 24 Vdc; 20 A

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

**Standard:** EN 61558-2-16:2009 + A1:2013; EN 61558-1:2005 + A1:2009

**Test report:** T211-0324/16, dated 2016-04-25

**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:** 2016-04-25

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Bojan Pečavar



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# Licence

## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/131

**Additional remarks:**

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

The unit has been evaluated for use in a Pollution Degree 2 and overvoltage category II environment and a maximum altitude of 2500 m.

**Places of manufacture, inspection file number:**

Delta Electronics (Thailand) Public Co., Ltd.  
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.),  
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Samutprakarn TH-10280, THAILAND  
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