

# TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **14 218 - 15 HH**

Company **Delta Electronics (Thailand) Public Co., Ltd.  
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.)  
Pattana 1 Rd, Tambol Phraksa, Amphur Muang  
Samutprakarn 10280, THAILAND**

Product Description **DIN-Rail Power Supply**

Type **DRM-24V120W1PN(y)**

Environmental Category **C, EMC2**

Technical Data /  
Range of Application **Model code: DRM-24V120W1PN(y)**

• (y): any capital letter A~Z (excluding I, L, O, Q) or any digit 2~9 or blank

**Input Rating:**

• AC 100-240 V, 50-60 Hz, 1.4 A

• DC 110-300 V, 1.25 A

**Output Rating:**

• Voltage: 24 V DC, 5 A (adjustable 24...28 V DC)

• Max. output power: 120 W (power derating to be observed)

Horizontal mounting: power derating of 3W/°C for ambient temp. Above 50°C

Vertical mounting: power derating of 3W/°C for ambient temp. Above 60°C

**LED Signals / Output contact:**

• Green LED DC OK

• Red LED Oveload

• Output Realy Contact: DC OK,  
(max. contact rating: 30V / 1 A, resistive load)

**Mounting:**

• DIN-Rail

**Degree of protection: IP 20**

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012**

Documents **Test Reports: SIQ No. T211-0117/15, SIQ No. T251-0224/15  
Test Report: SIQ T223-0066/15 (acc. To IEC 60950-1)  
Construction Drawings; Circuit Diagrams; Installation Notes  
Initial Assessment Report (90.02a) of 2015-05-11**

Remarks **Product approved by this certificate is accepted for installation on all vessels classed by DNV GL.**

Valid until **2020-07-08**

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File No. **I.M.03**

**Hamburg, 2015-08-07**

Type Approval Symbol



  
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**DNV GL**