

Schneider Electric Industries
Global Supply Chain - Environment
RoHS Project

Date: Thursday, July 20, 2017

Dear Customer,

Although most Schneider Electric products are not directly within the scope of the RoHS European Directive, as part of Schneider Electric's sustainable development policy, we are working to reduce the use of RoHS banned substances throughout our product offering. The information below provides the current product status as of the date of publication of this present document.

As new products are released and product design changes are implemented, this information will be updated.

The information is based upon the European Directive 2002/95/EC - "Restriction of Hazardous Substances" (RoHS) effective July 1st, 2006, its recast 2011/65/EU of June 8th, 2011, the Delegated Directive (EU) 2015/863 of March 31st 2015, which forbid the use in Europe of lead, mercury, cadmium, Hexavalent chromium, the polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) flame retardant and Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) from July 21st 2019 in certain electrical and/or electronic equipments.

Any future changes to the Directive or the list of exemptions may change the status reported here.

In the context of the sustainable development policy of our Company we continuously work towards products and services which reduce the impact on environment or human health when used for their intended purpose and in conditions stated in the documentation provided by Schneider Electric.

At end of life, we recommend that you follow appropriate waste and recycling procedures.

Please Note:

You can find more information about Schneider Electric environmental commitment on www.schneider-electric.com

Best Regards



Xavier Houot
VP Global Environment

Schneider Electric Industries SAS

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Le Hive
35 rue Joseph Monier - CS 30323
F-92506 Rueil Malmaison Cedex
Phone: +33 (0)4 76 57 60 60

<http://www.schneider-electric.com>

Legal information / Mentions légales :
Société par actions simplifiée au capital de 896,313,776 euros
954 503 439 rcs Nanterre - code APE : 2712Z
Siret : 954 503 439 01719
n°ident. TVA : FR 04 954 503 439
Siège Social ! 35, rue Joseph Monier
F - 92500 Rueil-Malmaison

The data shown in this spreadsheet are related to the following production Date Code: Week 29/2017

The data shown in this spreadsheet are related to the following version of the RoHS directive: 2011/65/EU

Commercial ref.	Range	Compliance status	Datecode
	Brand	Product description	
TM241CE40T	Modicon M241	Compliant	since week 1330
	Schneider Electric	CONTROLLER M241-40IO Tr.PNP Ethernet	

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. **13 550 - 14 HH**

Company **Schneider Electric Automation GmbH**

**Schneiderplaz 1
97828 Marktheidenfeld, GERMANY**

Product Description **PLC's**

Type **TM241C...; TM251M...; TMC4...; TM3... and TM4...**

Environmental Category **C; EMC1
C; EMC2**

Technical Data /
Range of Application **PLC: TM241C24T, TM241C40T, TM241CE24T, TM241CE40T,
TM241CEC24T, TM241C24U, TM241C40U, TM241CE24U,
TM241CE40U, TM241CEC24U**

**Compact (Brick) 24I/O or 40I/O, Transistor Source
TM241C24T, TM241C40T**

**Compact (Brick) 24I/O or 40I/O, Transistor Source + Ethernet
TM241CE24T, TM241CE40T**

**Compact (Brick) 24I/O, Transistor Source + Ethernet + CANopen Master
TM241CEC24T**

**Compact (Brick) 24I/O or 40I/O, Transistor Sink
TM241C24U, TM241C40U**

**Compact (Brick) 24I/O or 40I/O, Transistor Sink + Ethernet
TM241CE24U, TM241CE40U**

**Compact (Brick) 24I/O, Transistor Sink + Ethernet + CANopen Master
TM241CEC24U**

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 report : 2666523 dated 15-10-2013, SDEC13DE0069VNTY dated 25-12-
2013, C13-381-WT dated 10-01-2014; AOCC-LAB-TF-002 Version No.: 1.1 dated
21-11-2013; AOCC-LAB-TF-002 Version No.: 1.0 dated 11-10-2010; SIQ-LAB-
TF-00 Version No.: 1.0 dated 28-01-2015; 201301-442 dated 05-11-2014;
201304-443 dated 13-01-2014; T251-0918/13 dated 04-03-2014; M258 - MKT
03a00 Version 02 and M2xx-A-MKT05_Controller Requirements dated 25-06-
2012**

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of
Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.**

Valid until **2019-11-04**

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File No. **I.B.07**

Hamburg, 2015-06-22

Type Approval Symbol




Marco Rinkel


Andrea Grün

DNV GL

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. **13 550 - 14 HH**

TM251MESC	No Ios + ETH SWITCH + CANopen
TM251MESE	No Ios + ETH SWITCH + ETH
TM241CE40R	AC100V~240V power supply, 40IO, reley output,1 Eth,2 SL
TMC4AI2	2AI 0~10V/0-20mA/4~20mA Analog Input
TMC4AQ2	2AO 0~10V/4~20mA Analog Output
TM241C40R	AC 100V~240V power supply, 40IO, reley output,2 SL
TMC4AI2	2AI 0~10V/0-20mA/4~20mA Analog Input
TMC4AQ2	2AO 0~10V/4~20mA Analog Output
TM4ES4	Left expansion, eth switch*4
TM241CEC24R	AC 100V~240V power supply, 24IO, relay output,1 Eth,2 SL,1 CAN
TMC4TI2	2 Thermocouple or RTD Input
TM241C24R	AC 100V~240V power supply, 24IO, relay output,2 SL
TMC4TI2	2 Thermocouple or RTD Input
TM4ES4	Left expansion, eth switch*4
TM241CE24R	AC 100V~240V power supply, 24IO, relay output,1 Eth, 2 SL
TM3_XTRA1	TM3 transmitter,1 Eth, 5vdc over internal TM3 bus
TM3_XREC1	TM3 receiver,1 Eth,24 V DC external power supply
TM4PDPS1	TM4 Profibus, 1 Subd9 RS485 modbus

Firmware Version: 4.x

Tests and Evidence according Requirement Class 3

Additional Documentation:

SoMachine Software 4.1 SP1 Release Notes dated 12-12-2014

Valid until **2019-11-04**

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File No. **I.B.07**

Hamburg, 2015-06-22

Type Approval Symbol



DNV GL


Marco Rinkel


Andrea Grün



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Schneider Electric Automation GmbH Schneiderplatz 1 97828 Marktheidenfeld Germany
PLACE OF PRODUCTION	PT Schneider Electric Mfg. Batam Batam Industrial Park Jl. Beringin Block 01,04 & 208, Muka Kuning Batam Island, 29433 Indonesia
DESCRIPTION	I/O Controller
TYPES	Modicon TM241 (Firmware Version: 2.XX)
DESIGNATION	<ul style="list-style-type: none">• TM241 CE C 24 U (24 I/O - Transistor Sink; Ethernet; CAN Open)• TM241 - C 24 U (24 I/O - Transistor Sink; CAN Open)• TM241 CE - 24 U (24 I/O - Transistor Sink; Ethernet)• TM241 CE C 24 T (24 I/O - Transistor Source; Ethernet; CAN Open)*¹⁾• TM241 CE - 24 T (24 I/O - Transistor Source; Ethernet) *¹⁾• TM241 CE - 40 U (40 I/O - Transistor Sink; Ethernet) *¹⁾• TM241 - C 40 T (40 I/O - Transistor Source; CAN Open) *¹⁾• TM241 CE - 40 T (40 I/O - Transistor Source; Ethernet) *¹⁾• TM241 - C 24 T (24 I/O - Transistor Source; CAN Open) *¹⁾• TM241 - C 40 U (40 I/O - Transistor Sink; CAN Open) *¹⁾

Certificate No.	15/20042
Issue Date	27 April 2015
Expiry Date	26 April 2020
Sheet	1 of 2



Martin Lange
Hamburg Technical Support Office
Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

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Lloyd's
Register

OTHER TESTS

Shock Test: A₀= 15g and 30g with T = 11ms
Vibration: 10mm/3g from 5Hz to 150Hz
Cold: -10°C for 16 hrs.
Enclose: IP20

APPLICATION

Marine and Offshore applications for use in environmental category ENV2 as defined in LR Test Specification No.1, 2013 where the Test Specification is satisfactory for the intended operation.
Application marked with *1) are only use in "bridge and deck zones" in combination with a Single- Stage Filters, Ratings: L= 22,5mH; Cx=220nF; Cy=4,7nF; R= 1000kΩ.

DESIGN CODE

Manufacturer's Standard

OTHER CONDITIONS

The requirements of the Lloyd's Register (LR) Rules apply where the equipment is installed on LR Classed vessels and offshore installations.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HTS/ETS 31740-15 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.

15/20042

Issue Date

27 April 2015

Expiry Date

26 April 2020

Sheet

2 of 2



Martin Lange
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA

71 Fenchurch Street, London EC3M 4BS

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EU – Declaration of Conformity

Document number / Month.Year: NHA4191002.02 / 04.2016

We: Schneider Electric Automation GmbH
Subsidiary of Schneider Electric SE (FR-92500 Rueil-Malmaison)
 Schneiderplatz 1
 97828 Marktheidenfeld
 Germany

Hereby declare in our sole responsibility as manufacturer that the product(s):

Trademark:	Schneider Electric 
Product, Type, Function:	Programmable Controllers
Models:	TM241C24R, TM241C24T, TM241C24U, TM241C40R, TM241C40T, TM241C40U, TM241CE24R, TM241CE24T, TM241CE24U, TM241CE40R, TM241CE40T, TM241CE40U, TM241CEC24R, TM241CEC24T, TM241CEC24U
Serial Number:	00YYWWXXXXX 00 = PLANT CODE, YY = Years, WW = Week, XXXXX = 0001...9999

is/are in conformity with the requirements of the following directives and conformity was checked in accordance with the following standards:

Directive	Harmonized Standard
DIRECTIVE 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits	EN 61131-2:2007 Programmable controllers -- Part 2: Equipment requirements and tests
DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast)	EN 61131-2:2007 Programmable controllers -- Part 2: Equipment requirements and tests

It is important that the component is subject to correct installation, maintenance and use conforming to its intended purpose, to the applicable regulations and standards, to the supplier's instructions, user manual and to the accepted rules of the art.

Issued at: Marktheidenfeld - Germany, 20th April 2016



i.A. Michael Schweizer
 Machine Solutions Certification Manager

Schneider Electric Automation GmbH
 Schneiderplatz 1
 97828 Marktheidenfeld
 Telefon: 09391 606-0

CERTIFICATE OF COMPLIANCE

Certificate Number 20150707-E361380
Report Reference E361380-20141107
Issue Date 2015-JULY-07

Issued to: SCHNEIDER ELECTRIC AUTOMATION GMBH
SCHNEIDERPLATZ 1
97828 MARKTHEIDENFELD GERMANY

**This is to certify that
representative samples of**

PROGRAMMABLE CONTROLLERS FOR USE IN
HAZARDOUS LOCATIONS

Programmable Controllers for use in Hazardous Locations,
Class I, Division 2 Groups A, B, C and D. TM241CE24T
TM241CEC24T TM241C24T TM241C40T TM241CE40T
TM241CE24U TM241CEC24U TM241C24U TM241C40U
TM241CE40U ,TM241CE24R TM241CEC24R TM241C24R
TM241C40R TM241CE40R

Listed Accessories, A/D Card, Model TMC4AI2, TMC4TI2,
TMC4HOIS01, TMC4PACK01

Listed Accessory, D/A Card, Model TMC4AQ2

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

Standard No. ANSI/ISA 12.12.01, Nonincendive Electrical
Equipment for Use in Class I and II, Division 2 and Class III,
Divisions 1 and 2 Hazardous (Classified) Locations,
Standard No. CAN/CSA C22.2 No. 213-M1987, Non-
incendive Electrical Equipment for Use in Class I, Division 2
Hazardous Locations

Additional Information:

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150616-E316433
Report Reference E316433-20130906
Issue Date 2015-JUNE-16

Issued to: SCHNEIDER ELECTRIC AUTOMATION GMBH
SCHNEIDERPLATZ 1
97828 MARKTHEIDENFELD GERMANY

This is to certify that
representative samples of PROGRAMMABLE CONTROLLERS
See Addendum

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 508, Standard for Industrial Control Equipment
CSA C22.2 No. 142, Process Control Equipment

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150616-E316433
Report Reference E316433-20130906
Issue Date 2015-JUNE-16

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

TM241CE24T	TM241CEC24T	TM241C24T
TM241CE24U	TM241CEC24U	TM241C24U
TM241CE40T	TM241CEC24R	TM241C40T
TM241CE40U	TM251MESC	TM241C40U
TM241CE24R	TM251MESE	TM241C24R
TM241CE40R		TM241C40R

Listed Accessories, Ethernet Switch Communication Module, Model TM4ES4

Listed Accessories, Profibus module – TM4PDPS1

Listed Accessories, Expander Module, models TM3XTRA1, TM3XREC1

Listed Accessories, A/D Card, Model TMC4AI2, TMC4TI2, TMC4HOIS01, TMC4PACK01

Listed Accessory, D/A Card, Model TMC4AQ2



Bruce Mahrenholz, Director North American Certification Program

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