

## Type Approval Certificate Extension

This is to certify that Certificate No. 98/00088(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER** Schneider Automation  
245 Route Des Lucioles  
BP 147  
F-06903, Sophia Antipolis  
France

**PLACE OF PRODUCTION** 1 ere Avenue  
2621 mètres ZI de Carros  
F-06516  
Carros Cedex  
France

**DESCRIPTION** Modular PLC System

**TYPE** TSX 57 Premium Automation Platform  
comprising the following revised list:

Processors

TSXP57102M, TSXP57202M, TSXP57302M, TSXP57402M  
TSXP57252M, TSXP57352M, TSXP57452M  
TPMXP57102M, TPMXP57202M, TPMXP57352M,  
TPMXP57452M

Processors  
Processors with FIP function  
Regulation Processor

TPCXP571012M, TPCXP573512M  
TSXP57103M, TSXP57203M, TSXP57303M, TSXP57403M  
TSXP57253M, TSXP57353M, TSXP57453M  
TSXP572623M, TSXP572823M, TSXP573623M, TSXP574823M  
TPCXP57203M, TPCXP57353M

Co-processors  
Processors  
Processors with FIP function  
Processors with Ethernet port embedded  
Co-processors

Racks

TSXRKY6 to 12  
TSXRKY4EX to 12EX

Non-extendable racks  
Extendable racks

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**Expiry Date** 24 June 2008

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## Memory extension card

TSXMRP 032P to 3384P  
TSXMFP 032P to 2128P

RAM Memories  
Flash EPROM Memories

## Power supplies

TSXPSY5520M  
TSXPSY2600M  
TSXPSY5500M  
TSXPSY8500M

24V-48V DC  
100V-240V AC 26W  
100V-240V AC 50W  
100V-240V AC 77W

## Discrete I/O Modules (Discrete Inputs with terminal blocks)

TSXDEY16A2, TSXDEY16A3  
TSXDEY08D2, TSXDEY16D2, TSXDEY16D3

24-48 V digital inputs

TSXDEY16A4, TSXDEY16A5

100-120 V and 200-240 V digital inputs

## Discrete I/O Modules (Discrete Inputs with connectors)

TSXDEY16FK, TSXDEY32D2K, TSXDEY32D3K, TSXDEY64D2K  
TSXDMY28FK, TSXDMY28RFK

24-48 V digital inputs  
24-48 V digital inputs/outputs

## Discrete I/O Modules (Discrete Outputs with terminal blocks)

TSXDSY08S5, TSXDSY16S4, TSXDSY16S5  
TSXDSY08T2, TSXDSY08T22, TSXDSY16T2, TSXDSY08T31,  
TSXDSY08T3  
TSXDSY08R5, TSXDSY16R5

24-240 V, 1A – 2A digital triac outputs  
24-48V, 0.25- 2A digital transistor outputs  
24-240 V AC-DC digital relay outputs

## Discrete I/O Modules (Discrete Outputs with connectors)

TSXDSY32T2K, TSXDSY64T2K

24 digital transistor outputs

## Analogue I/O Modules (Inputs)

TSXAEY420, TSXAEY414, TSXAEY800, TSXAEY1600,  
TSXAEY810, TSXAEY1614

Analogue inputs 10V, 0-20  
mA, 4-20mA,  
thermocouple

## Analogue I/O Modules (Outputs)

TSXASY410, TSXASY800

Analogue outputs 10V, 0-20 mA, 4-20mA

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71 Fenchurch Street, London EC3M 4BS

## Measurement and Counter Modules

TSXCTY2A, TSXCTY4A, TSXCTY2C

## Communication Modules

TSXSCY11601

TSXSCY21601

TSXIBY100

TSXETY110, TSXETY410, TSXETY4102

TSXETY110WS, TSXETY5101, TSXETY5102

TSXETY210

1 channel Modbus

2 channels :UNI-TELWAY, Modbus/Jbus +  
PCMCIA type 3

InterBus S

Ethernet TCP/IP network

Ditto + Web Server

With software Warm Standby TXT L BKP  
PREM

## Communication Cards

TSXSCP111, TSXSCP112, TSXSCP114

TSXFPP10, TSXFPP20

TSXMBP100

Modbus/Jbus, Unitelway, character mode

Fipio / Fipway

ModBus Plus

## **APPLICATION**

Marine, Offshore and Industrial Applications for Environmental  
Categories ENV1, ENV2 as defined in LR Type Approval System, Test  
Specification No.1 - 1996 where the test specification is satisfactory for the  
intended operation.

*"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. 98/00088(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 98/00088(E2) to which this extension should be attached.

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