# Product datasheet

Specifications

## single-format PL7 processor - 530 mA 5 V DC

TSXP57153MC

Discontinued on: Dec 31, 2017 AD

End-of-service on: Dec 31, 2025 AD

Discontinued - Service only

## Main

| | |
|---|---|
| **Range of product** | Modicon Premium Automation platform |
| **Product or component type** | Single-format PL7 processor |
| **Software designation** | PL7 Junior/Pro |

## Complementary

| | |
|---|---|
| **Number of racks** | 2 12 slots<br>4 4/6/8 slots |
| **Number of slots** | 16<br>24<br>32 |
| **Discrete I/O processor capacity** | 512 I/O |
| **Analogue I/O processor capacity** | 24 I/O |
| **Number of application specific channel** | 8 |
| **Integrated connection type** | Non isolated serial link 2 female mini DIN connector (19.2 kbit/s)<br>Fipio manager (63 agents) SUB-D 9 connector |
| **Communication module processor capacity** | 1 network module<br>2 AS-Interface bus modules |
| **Memory description** | Internal RAM (with PCMCIA card) 32 Kwords data<br>Internal RAM (without PCMCIA card) 32 Kwords program and data<br>PCMCIA card 128 Kwords additional data storage<br>PCMCIA card 64 Kwords program |
| **Maximum size of object areas** | 30.5 %MWi internal words located internal data<br>32 %KWi constant words located internal data<br>4096 %Mi located internal bits |
| **Application structure** | 32 event tasks<br>1 master task<br>1 fast task |
| **Execution time per instruction** | 0.5 µs Boolean without PCMCIA card<br>0.6 µs Boolean with PCMCIA card<br>0.62 µs word or fixed-point arithmetic without PCMCIA card<br>0.87 µs word or fixed-point arithmetic with PCMCIA card<br>44 µs floating points with PCMCIA card<br>44 µs floating points without PCMCIA card |
| **Number of instructions per ms** | 0.85 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card<br>1.05 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card<br>1.18 Kinst/ms 100 % Boolean with PCMCIA card<br>1.52 Kinst/ms 100 % Boolean without PCMCIA card |
| **System overhead** | 0.8 ms for fast task<br>3.1 ms for master task |
| **Marking** | CE |

| | |
|---|---|
| **Local signalling** | 1 LED (green) for processor running (RUN)<br>1 LED (red) for activity on Fipio bus (FIP)<br>1 LED (red) for I/O module or configuration fault (I/O)<br>1 LED (red) for processor or system fault (ERR)<br>1 LED (yellow) for activity on the terminal port (TER) |
| **Current consumption** | 8530 mA at 5 V DC |
| **Module format** | Standard |
| **Net weight** | 0.42 kg |

## Environment

| | |
|---|---|
| **Standards** | 89/336/EEC<br>IEC 61131-2<br>CSA C22.2 No 213 Class I Division 2 Group A<br>CSA C22.2 No 142<br>92/31/EEC<br>93/68/EEC<br>CSA C22.2 No 213 Class I Division 2 Group D<br>CSA C22.2 No 213 Class I Division 2 Group B<br>UL 508<br>73/23/EEC<br>CSA C22.2 No 213 Class I Division 2 Group C |
| **Product certifications** | RINA<br>LR<br>RMRS<br>BV<br>GL<br>ABS<br>DNV |
| **Ambient air temperature for operation** | 0…60 °C |
| **Ambient air temperature for storage** | -25…70 °C |
| **Relative humidity** | 10…95 % without condensation for operation<br>5…95 % without condensation for storage |
| **Operating altitude** | 0...2000 m |
| **Protective treatment** | TC<br>Conformal coating Humiseal 1A33 |
| **IP degree of protection** | IP20 |
| **Pollution degree** | 2 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 5.5 cm |
| **Package 1 Width** | 18.0 cm |
| **Package 1 Length** | 26.0 cm |
| **Package 1 Weight** | 518.0 g |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 2 |
| **Package 2 Height** | 15 cm |
| **Package 2 Width** | 30 cm |
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 1.462 kg |

## Contractual warranty

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|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Use Longer

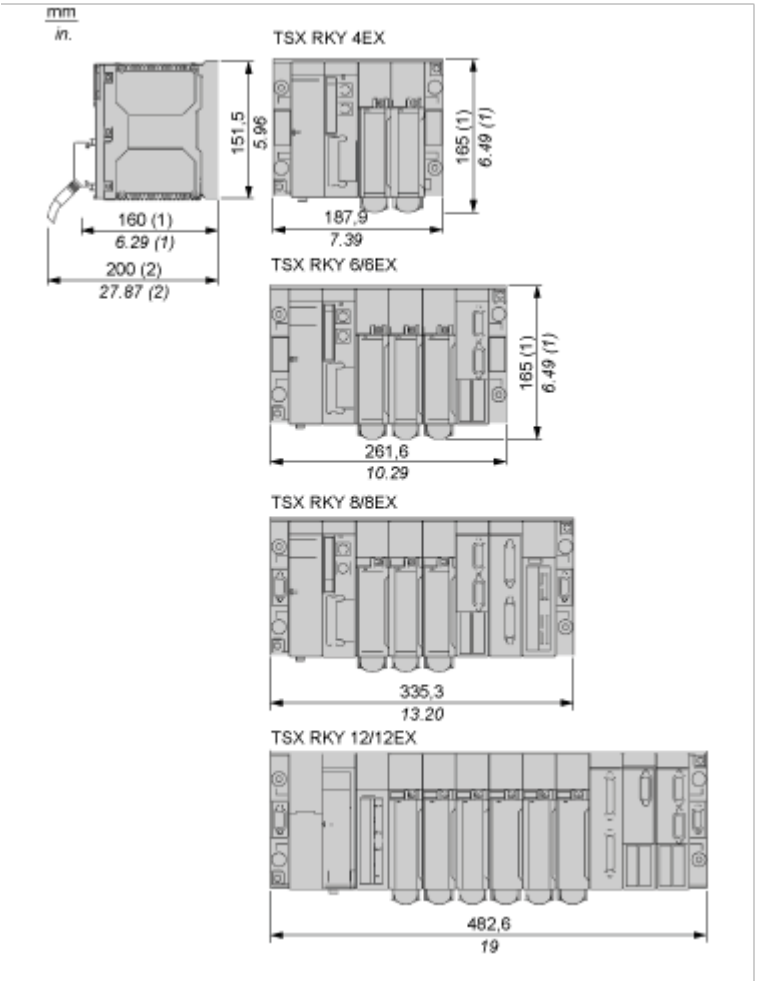
#### Lifetime extension

| | |
|---|---|
| Repair | No |

Dimensions Drawings

## Standard and Extendable Racks for Modules Mounting

### Dimensions of Modules and Racks




(**1**) With screw terminal block modules.
(**2**) Maximum depth for all types of modules and their associated connectors.