

Product datasheet

Specifications



double-format PL7 processor - Transparent Ready - 1440 mA

TSXP574823AM

⚠ Discontinued on: 31 Dec 2018

⚠ To be end-of-service on: 31 Dec 2026

⚠ Discontinued

EAN Code: 3595863914641

Main

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

Complementary

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|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Concept | Transparent Ready |
| Number of racks | 16 4/6/8 slots 8 12 slots |
| Number of slots | 128 96 64 |
| Discrete I/O processor capacity | 2040 I/O |
| Analogue I/O processor capacity | 256 I/O |
| Number of application specific channel | 64 |
| Number of process control channel | 20 up to 60 simple loops |
| Integrated connection type | Fipio manager (127 agents) SUB-D 9 connector Ethernet TCP/IP RJ45 connector (10/100 Mbit/s) Non isolated serial link 2 female mini DIN connector (19.2/115 kbit/s) |
| Communication module processor capacity | 2 fieldbus modules (1 if CANopen used) 8 AS-Interface bus modules 1 CANopen 4 network module |
| Memory description | Internal RAM (with PCMCIA card) 176 Kwords data Internal RAM (without PCMCIA card) 96 Kwords program and data PCMCIA card 2048 Kwords additional data storage PCMCIA card 992 Kwords program |
| Maximum size of object areas | 30.5 %MWi internal words located internal data 32 %KWi constant words located internal data 32768 %Mi located internal bits |
| Application structure | 1 fast task 1 master task 64 event tasks |
| Execution time per instruction | 0.06 µs Boolean with PCMCIA card 0.06 µs Boolean without PCMCIA card 0.08 µs word or fixed-point arithmetic with PCMCIA card 0.08 µs word or fixed-point arithmetic without PCMCIA card 1.7 µs floating points with PCMCIA card 1.7 µs floating points without PCMCIA card |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of instructions per ms | 13.82 Kinst/ms 100 % Boolean with PCMCIA card 13.82 Kinst/ms 100 % Boolean without PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card |
| System overhead | 0.22 ms for fast task 1.15 ms for master task |
| Marking | CE |
| Local signalling | 1 LED (green) for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 1 LED (red) for activity on Fipio bus (FIP) 1 LED (red) for collision detection (COL) 1 LED (red) for Ethernet TCP/IP port fault (ERR) 1 LED (red) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (yellow) for activity on the terminal port (TER) 1 LED (yellow) for Ethernet link diagnostics (STS) 1 LED (yellow) for reception activity (RX) 1 LED (yellow) for transmission activity (TX) |
| Current consumption | 1440 mA at 5 V DC |
| Module format | Double |
| Net weight | 0.77 kg |

Environment

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

Packing Units

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|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.5 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 26.0 cm |

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|------------------|---------|
| Package 1 Weight | 766.0 g |
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Contractual warranty

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| Warranty (in months) | 18 |
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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

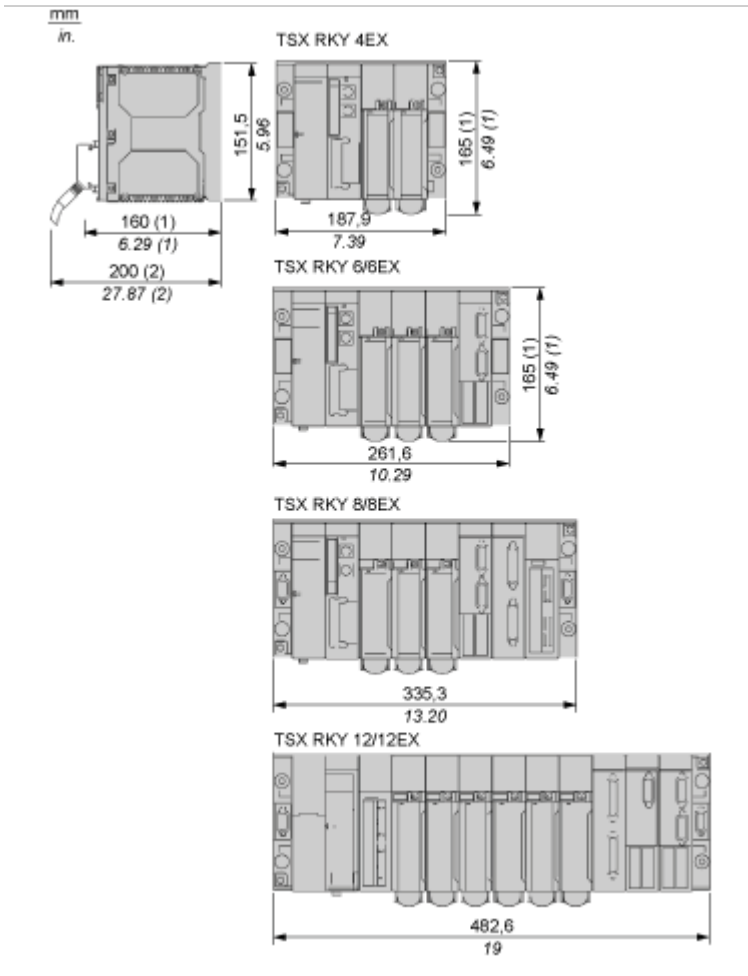
Repair

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.