



Commercial status

Discontinued: 31 December 2018

⚠ Restricted Sales for Services

Main

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

Complementary

| | |
|---|---|
| Concept | Transparent Ready |
| Number of racks | 16 4/6/8 slots 8 12 slots |
| Number of slots | 64 96 128 |
| Discrete I/O processor capacity | 1024 I/O |
| Analogue I/O processor capacity | 80 I/O |
| Number of application specific channel | 24 |
| Number of process control channel | 10 up to 30 simple loops |
| Integrated connection type | Non isolated serial link 2 female mini DIN connector (19.2 kbit/s) Ethernet TCP/IP RJ45 connector (10/100 Mbit/s) |
| Communication module processor capacity | 1 fieldbus module (none if CANopen used) 4 AS-Interface bus modules 1 CANopen |
| Memory description | Internal RAM (with PCMCIA card) 48 Kwords data Internal RAM (without PCMCIA card) 48 Kwords program and data PCMCIA card 160 Kwords program PCMCIA card 2688 Kwords additional data storage |
| Maximum size of object areas | 30.5 %MWi internal words located internal data 32 %KWi constant words located internal data 8132 %Mi located internal bits |
| Application structure | 1 master task 1 fast task 64 event tasks |
| Execution time per instruction | 0.19 µs Boolean without PCMCIA card 0.21 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.42 µs word or fixed-point arithmetic with PCMCIA card 2.6 µs floating points with PCMCIA card 2.6 µs floating points without PCMCIA card |
| Number of instructions per ms | 2.5 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.57 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card |

| | |
|---------------------|---|
| | 3.7 Kinst/ms 100 % Boolean with PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card |
| System overhead | 0.35 ms for fast task 1 ms for master task |
| Marking | CE |
| Local signalling | 1 LED (green)Ethernet TCP/IP port ready (RUN): 1 LED (green)processor running (RUN): 1 LED (red)collision detection (COL): 1 LED (red)Ethernet TCP/IP port fault (ERR): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR): 1 LED (yellow)activity on the terminal port (TER): 1 LED (yellow)Ethernet link diagnostics (STS): 1 LED (yellow)reception activity (RX): 1 LED (yellow)transmission activity (TX): |
| Current consumption | 1110 mA at 5 V DC |
| Module format | Double |

Environment

| | |
|---------------------------------------|--|
| Standards | CSA C22.2 No 142 IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group D 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC 92/31/EEC UL 508 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C |
| Product certifications | BV DNV RMRS ABS GL LR RINA |
| 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 |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

TSXP572623M is replaced by:



Standard environment BMEP582020

processor module M580 - Level 2 - Distributed

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018