Product data sheet
Characteristics

TSXP57154MC
Unity processor - 2 racks (12 slots)/4 racks (4/6/8 slots) - 930 mA 5 V DC

Commercial status
End of Commercialisation :

⚠ End of Commercialisation

Main

Range of product	Modicon Premium Automation platform
Product or component type	Unity processor
Software designation	Unity Pro

Complementary

Number of racks	2 12 slots 4 4/6/8 slots
Number of slots	24 16 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 (RS485) (19.2 kbit/s) Fipio manager (63 agents) SUB-D 9 connector
Communication module processor capacity	2 1
Memory description	Internal RAM (with PCMCIA card) 224 kB program Internal RAM (with PCMCIA card) 96 kB data Internal RAM (without PCMCIA card) 96 kB program and data PCMCIA card 256 kB additional data storage
Maximum size of object areas	32 kB (elementary and derived data) unlocated internal data 4096 %Mi located internal bits 64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data
Application structure	32 event tasks 1 fast task 1 master task
Execution time per instruction	0.19 µs Boolean without PCMCIA card 0.25 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.5 µs word or fixed-point arithmetic with PCMCIA card 1.75...2.6 µs floating points with PCMCIA card 1.75...2.6 µs floating points without PCMCIA card
Number of instructions per ms	2.1 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.1 Kinst/ms 100 % Boolean with PCMCIA card 3.71 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.3 Ms for fast task 1 Ms for master task
Marking	CE

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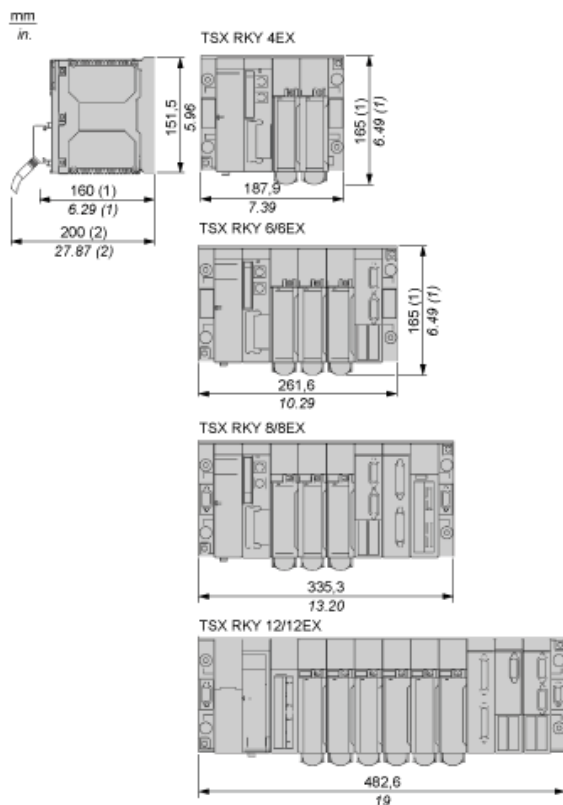| Local signalling	1 LED (green)processor running (RUN): 1 LED (red)activity on Fipio bus (FIP): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR): 1 LED (yellow)activity on TER or AUX terminal port (TER):
Current consumption	930 mA at 5 V DC
Module format	Standard
Net weight	0.42 Kg

Environment

Standards	73/23/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group D UL 508 IEC 61131-2 93/68/EEC 92/31/EEC 89/336/EEC
Product certifications	GL RMRS BV DNV RINA 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	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months

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.

Product Life Status :	Post commercialisation

TSXP57154MC may be replaced by any of the following products:

BMEP581020H

processor module M580 - Level 1 - Distributed Harsh

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 | Not same dimensions/design - better performances, more services provided

BMEP581020H

processor module M580 - Level 1 - Distributed Harsh

Qty 1

Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |