



## Commercial status

End of Commercialisation :

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## Main

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

## Complementary

Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	96 128 64
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 (RS485) (19.2 kbit/s)
Communication module processor capacity	4 1
Memory description	Internal RAM (with PCMCIA card) 160 kB data Internal RAM (with PCMCIA card) 768 kB program Internal RAM (without PCMCIA card) 160 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data 64 kB (elementary and derived data) unlocated 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 0.25 µs word or fixed-point arithmetic without PCMCIA card 1.75...2.6 µs floating points with PCMCIA card 1.75...2.6 µs floating points without PCMCIA card 0.21 µs Boolean with PCMCIA card 0.42 µs word or fixed-point arithmetic with PCMCIA card
Number of instructions per ms	2.53 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.7 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

Local signalling	1 LED (green)processor running (RUN): 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	850 mA at 5 V DC
Module format	Double
Net weight	0.52 Kg

## Environment

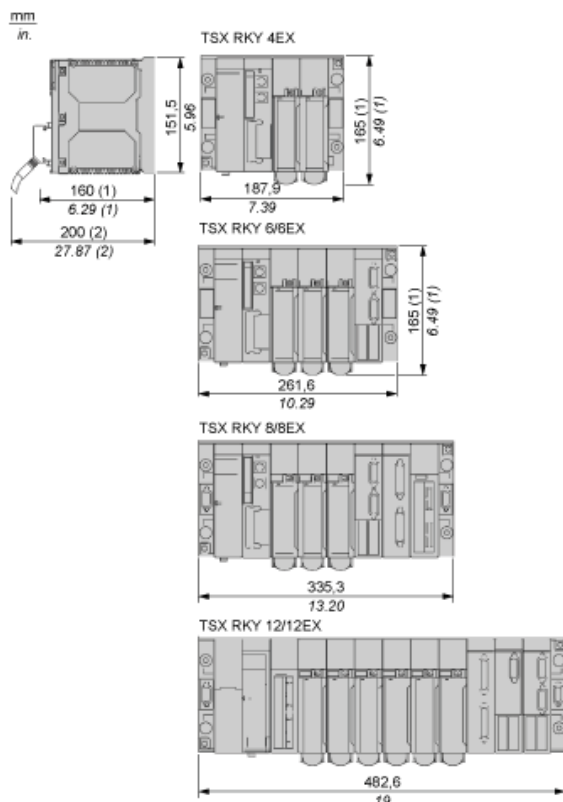
Standards	UL 508 CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 93/68/EEC 73/23/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group B 89/336/EEC
Product certifications	LR RMRS BV DNV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

## Contractual warranty

Warranty	18 months
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## 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**

TSXP57204MC may be replaced by any of the following products:



#### BMEP582020H

processor module M580 - Level 2 - Distributed Harsh

Qty 1

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



#### BMEP582020H

processor module M580 - Level 2 - Distributed Harsh

Qty 1

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