



Main

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

Complementary

Number of racks	8 12 slots 16 4/6/8 slots
Number of slots	<= 128
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	Non isolated serial link female mini DIN RS485 19.2 kbit/s USB port 12 Mbit/s Fipio manager (127 agents) SUB-D 9
Communication module processor	8 4 1
Memory description	PCMCIA card 16384 kB additional data storage Internal RAM (without PCMCIA card) 440 kB program and data Internal RAM (with PCMCIA card) 440 kB data Internal RAM (with PCMCIA card) 2048 kB program
Maximum size of object areas	Unlimited (elementary and derived data) unlocated internal data Unlimited (DFB and EFB function blocks) unlocated internal data 64 %MWi internal words located internal data 64 %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	0.55...0.63 µs floating points without PCMCIA card 0.55...0.63 µs floating points with PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic without PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic with PCMCIA card 0.048...0.057 µs Boolean with PCMCIA card 0.039...0.057 µs Boolean without PCMCIA card
Number of instructions per ms	15.75 Kinst/ms 100 % Boolean without PCMCIA card 15.75 Kinst/ms 100 % Boolean with PCMCIA card 11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card
System overhead	1 ms master task 0.08 ms fast task
Marking	CE
Local signalling	1 LED yellow activity on TER or AUX terminal port (TER) 1 LED red processor or system fault (ERR) 1 LED red I/O module or configuration fault (I/O) 1 LED red activity on Fipio bus (FIP) 1 LED green processor running (RUN)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Current consumption	1680 mA 5 V DC
Module format	Double
Product weight	0.56 kg

Environment

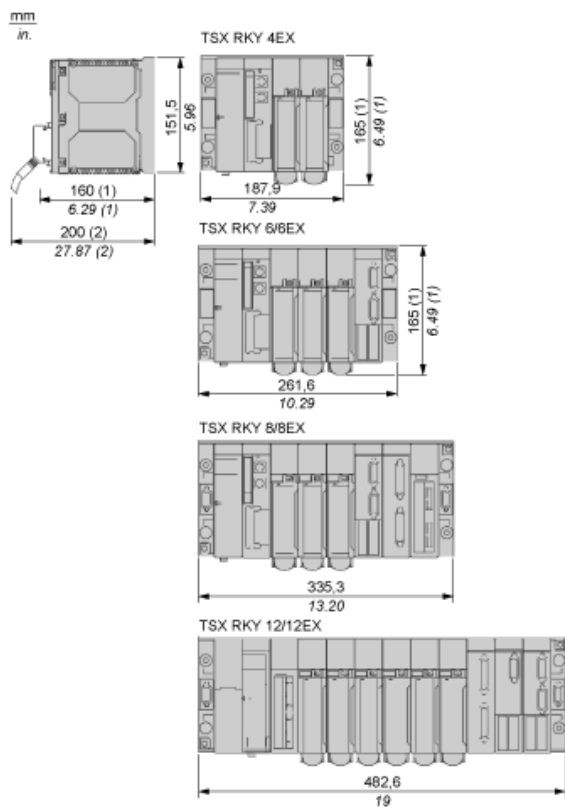
Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA 22-2 No 142 CSA 22-2 No 213 Class I Division 2 Group A CSA 22-2 No 213 Class I Division 2 Group B CSA 22-2 No 213 Class I Division 2 Group C CSA 22-2 No 213 Class I Division 2 Group D IEC 61131-2 UL 508
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
Protective treatment	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0924 - Schneider Electric declaration of conformity download declaration of conformity

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.