



Main

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

Complementary

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	128 64 96
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	Ethernet TCP/IP RJ45 Non isolated serial link 2 female mini DIN RS485 19.2 kbit/s
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	1 4
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 fast task 1 master 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 fast task 1 ms 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 TER or AUX terminal port (TER)

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

	1 LED yellow Ethernet link diagnostics (STS) 1 LED yellow reception activity (RX) 1 LED yellow transmission activity (TX)
Current consumption	1650 mA 5 V DC
Module format	Double
Product weight	0.09 lb(US) (0.042 kg)

Environment

standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D
product certifications	ABS BV DNV GL LR RINA RMRS
ambient air temperature for operation	32...140 °F (0...60 °C)
ambient air temperature for storage	-13...158 °F (-25...70 °C)
relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
operating altitude	0...6561.68 ft (0...2000 m)
protective treatment	TC
IP degree of protection	IP20
pollution degree	2

Offer Sustainability

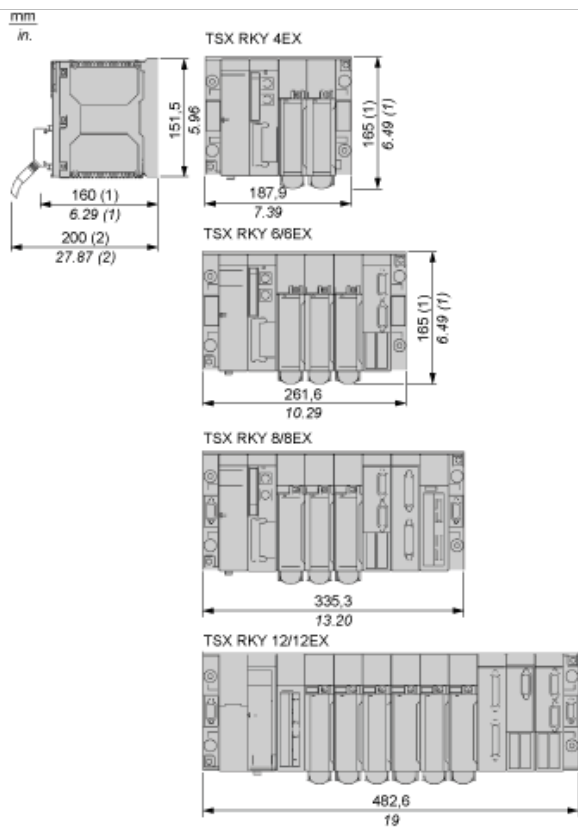
Not Green Premium product	Not Green Premium product
Compliant - since 0933 - Schneider Electric declaration of conformity	Compliant - since 0933 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	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.