



Commercial status

End of Commercialisation :

⚠ End of Commercialisation

Main

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

Complementary

Number of racks	1 6/8/12 slots
Number of slots	6 8 12
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 female mini DIN connector (RS485) (19.2 kbit/s) Ethernet TCP/IP RJ45 connector USB port USB type A connector (12 Mbit/s)
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	2
Memory description	Internal RAM (with PCMCIA card) 192 kB data Internal RAM (with PCMCIA card) 768 kB program Internal RAM (without PCMCIA card) 192 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	192 kB data exchanged via CPU Sync link 32464 %MWi internal words located internal data 32760 %KW constant words located internal data 8056 %Mi located internal bits Unlimited (DFB and EFB function blocks) unlocated internal data Unlimited (elementary and derived data) unlocated internal data
Application structure	1 master task
Execution time per instruction	0.039...0.057 µs Boolean without PCMCIA card 0.048...0.057 µs Boolean with PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic with PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic without PCMCIA card 0.055...0.063 µs floating points with PCMCIA card 0.055...0.063 µs floating points without PCMCIA card
Number of instructions per ms	11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 15.75 Kinst/ms 100 % Boolean with PCMCIA card 15.75 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	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 TER or AUX terminal port (TER): 1 LED (yellow)Ethernet link diagnostics (STS): 1 LED (yellow)reception activity (RX): 1 LED (yellow)transmission activity (TX):
Current consumption	1880 mA at 5 V DC
Module format	Double
Net weight	0.56 Kg

Environment

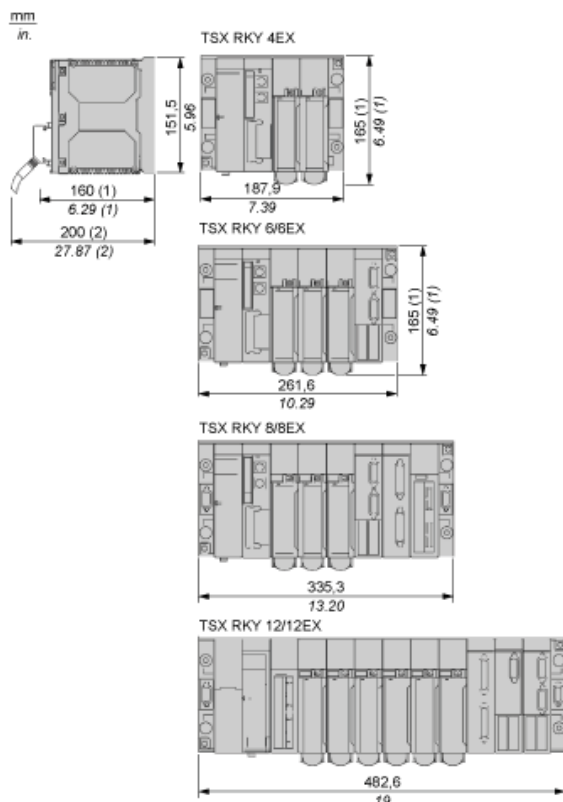
Standards	93/68/EEC IEC 61131-2 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B UL 508 CSA C22.2 No 142 89/336/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group C
Product certifications	GL BV ABS RINA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

TSXH5724MC may be replaced by any of the following products:



BMEH582040C

redundant HSBY processor module M580 - Level 2 - Remote Coated

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 | Not same dimensions/design - higher performances



BMEH582040C

redundant HSBY processor module M580 - Level 2 - Remote Coated

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 | Not same dimensions/design - higher performances



BMEH582040C

redundant HSBY processor module M580 - Level 2 - Remote Coated

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 |



BMEH582040C

redundant HSBY processor module M580 - Level 2 - Remote Coated

Qty 1

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