Product data sheet
Characteristics

TSXH5744M
Unity hot standby processor - 1 racks(6/8/12 slots) - 4 com module processor

⚠ End of Commercialisation

Commercial status
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 12 8
Discrete I/O processor capacity	2048 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 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	4
Memory description	Internal RAM (with PCMCIA card) 2048 kB program Internal RAM (with PCMCIA card) 440 kB data Internal RAM (without PCMCIA card) 440 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	32464 %MWi internal words located internal data 32760 %KWi constant words located internal data 440 kB data exchanged via CPU Sync link 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

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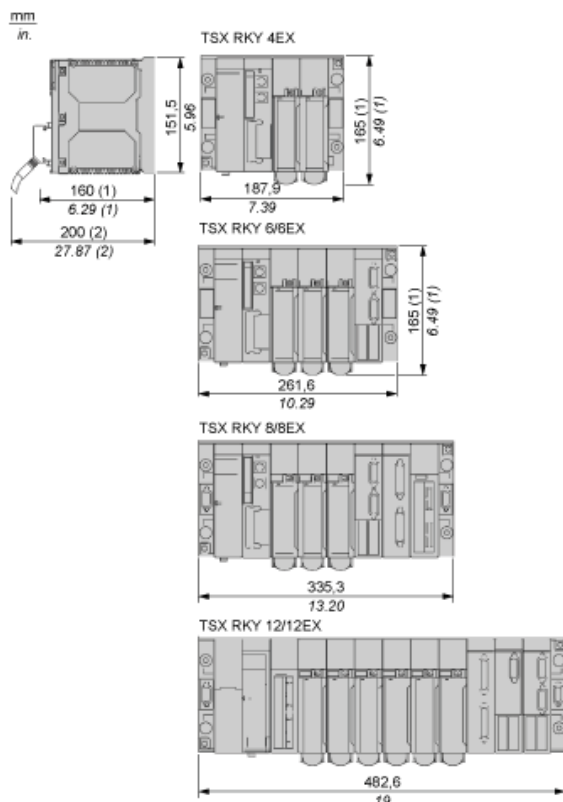| Local signalling	1 LED (green)Ethernet TCP/IP port ready (RUN):
	1 LED (green)processor running (RUN):
	1 LED (red)collision detection (COL):
	1 LED (red)Ethernet TCP/IP port fault (ERR):
	1 LED (red)I/O module or configuration fault (I/O):
	1 LED (red)processor or system fault (ERR):
	1 LED (yellow)activity 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	0.61 Kg

Environment

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

TSXH5744M may be replaced by any of the following products:

BMEH584040

redundant HSBY processor module M580 - Level 4 - Remote

Qty 1

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

BMEH584040

redundant HSBY processor module M580 - Level 4 - Remote

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - higher performances

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BMEH584040

redundant HSBY processor module M580 - Level 4 - Remote

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - higher performances

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BMEH584040

redundant HSBY processor module M580 - Level 4 - Remote

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - higher performances

BMEH584040

redundant HSBY processor module M580 - Level 4 - Remote

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 |

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