TSXP57453AM

double-format PL7 processor - 1080 mA

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of product	Modicon Premium Automation platform
Product or component type	Double-format PL7 processor
Software designation	PL7 Junior/Pro

Complementary

Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	128 64 96
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	Fipio manager (127 agents) SUB-D 9 Non isolated serial link 2 female mini DIN 19.2/115 kbit/s
Communication module processor capacity	1 CANopen 4 network module 2 fieldbus modules (1 if CANopen used) 8 AS-Interface bus modules
Memory description	Internal RAM (with PCMCIA card) 176 Kwords data Internal RAM (without PCMCIA card) 96 Kwords program and data PCMCIA card 2048 Kwords additional data storage PCMCIA card 992 Kwords program
Maximum size of object areas	30.5 %MWi internal words located internal data 32 %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	0.06 µs Boolean with PCMCIA card 0.06 µs Boolean without PCMCIA card 0.08 µs word or fixed-point arithmetic with PCMCIA card 0.08 µs word or fixed-point arithmetic without PCMCIA card 1.7 µs floating points with PCMCIA card 1.7 µs floating points without PCMCIA card
Number of instructions per ms	13.82 Kinst/ms 100 % Boolean with PCMCIA card 13.82 Kinst/ms 100 % Boolean without PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
System overhead	0.22 ms fast task 1.15 ms master task
Marking	CE
Local signalling	1 LED green processor running (RUN) 1 LED red activity on Fipio bus (FIP) 1 LED red I/O module or configuration fault (I/O) 1 LED red processor or system fault (ERR) 1 LED yellow activity on the terminal port (TER)

Current consumption	1080 mA 5 V DC
Module format	Double
Product weight	1.23 lb(US) (0.56 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

Ordering and shipping details

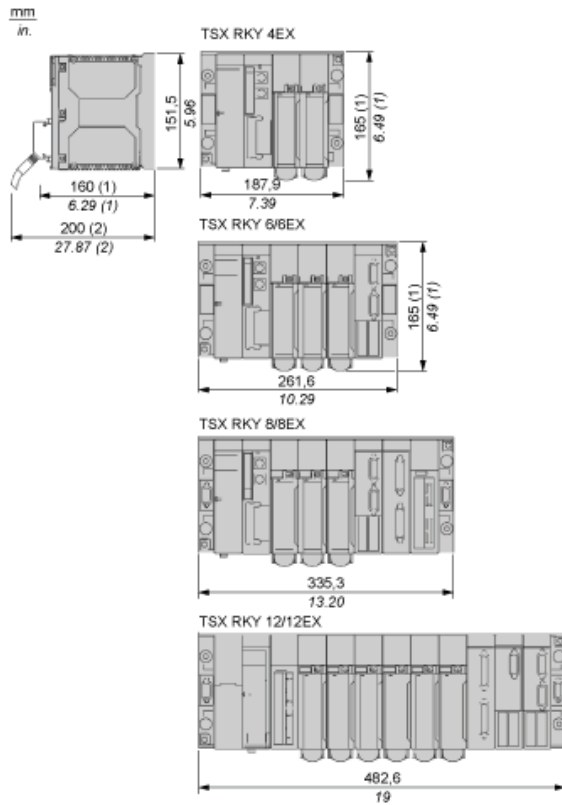| Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	00785901438717
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21
Returnability	N
Country of origin	FR

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0935 - Schneider Electric declaration of conformity ⬀Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	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.