



SoMachine













Controller type		42 digital I/O	42 digital I/O & CANopen
Internal memory	RAM	64 MB	
	Flash Eeprom	128 MB	
Typical Boolean instruction time		22 ns	
User program size		128 program K instructions	
Power supply		24 V DC	
Inputs	Digital	26 inputs 24VDC including 8 counter inputs (200 kHz)	
	Analog	-	
Outputs	Transistor	16 outputs (0,5A) including 4 reflex outputs (100 kHz)	
	Relay	-	
		-	
Optional communication ports		-	
Communication	USB-B mini-port	Programming port for SoMachine software	
	USB-A port	Connection of a USB memory stick for transferring programs, data files, firmware updates	
	RJ45 port (MBS)	RS232 serial link RS485 serial link (supplies 250 mA, 5 V for HMI power supply) Protocols: Modbus ASCII/RTU Master/Slave, ASCII (character string)	
	SUB-D connector (CAN0)	-	CANopen bus master (63 slaves)
	RJ45 port (Ethernet)	Ethernet TCP, Ethernet IP, FTP server, Web server, Ethernet Modbus TCP	
Max. number of expansions		250 modules (local or remote) for digital IO, analog IO or Expert functions	
References		TM258LD42DT	TM258LF42DT



Controller type		42 digital I/O relays & CANopen	66 digital I/O & CANopen & 4 analog inputs
Internal memory	RAM	64 MB	
	Flash Eeprom	128 MB	
Typical Boolean instruction time		22 ns	
User program size		128 program K instructions	
Power supply		24 V DC	
Inputs	Digital	26 inputs 24VDC including 8 counter inputs (200 kHz)	38 inputs 24VDC including 8 counter inputs (200 kHz)
	Analog	-	4 analog inputs +10 V/-10V, 4-20mA/0-20 mA 12 bits resolution
Outputs	Transistor	4 reflex outputs (100 kHz)	28 outputs (0,5A) including 4 reflex outputs (100 kHz)
	Relay	12 relays	-
Optional communication ports		2 PCI slots for optional communication modules	
Communication	USB-B mini-port	Programming port for SoMachine software	
	USB-A port	Connection of a USB memory stick for transferring programs, data files, firmware updates	
	RJ45 port (MBS)	RS232 serial link RS485 serial link (supplies 250 mA, 5 V for HMI power supply) Protocols: Modbus ASCII/RTU Master/Slave, ASCII (character string)	
	SUB-D connector (CAN0)	CANopen bus master (63 slaves)	
	RJ45 port (Ethernet)	Ethernet TCP, Ethernet IP, FTP server, Web server, Ethernet Modbus TCP	
Max. number of expansions		250 modules (local or remote) for digital IO, analog IO or Expert functions	
References		TM258LF42DR	TM258LF66DT4L

Modicon TM5 I/O expansion modules for Modicon M258 and Modicon LMC058 ⁽¹⁾



Type of module	Input			Output			Input Output Digital
	Digital	Analog		Digital		Analog	
Number of inputs	12 sink	–	–	–	–	–	24
Number of outputs	–	–	–	12 source	4 relay	–	18
Number of inputs	–	4	4	–	–	–	–
Number of outputs	–	–	–	–	–	4	–
Nominal input current	24 VDC	–	–	–	–	–	24 VDC
Nominal output current	–	–	–	24 VDC	30 VDC/ 230 VAC	–	24 VDC
Type	–	Thermal probe	Voltage / Current	–	–	Voltage / Current	–
Associated bus sub-bases (2)							–
	TM5ACBM11	TM5ACBM11	TM5ACBM11	TM5ACBM11	TM5ACBM12	TM5ACBM11	
Associated terminal block (2)							–
	TM5ACTB12	TM5ACTB12	TM5ACTB12	TM5ACTB12	TM5ACTB32	TM5ACTB12	
References	TM5SDI12D	TM5SAI4PH	TM5SAI4L	TM5SDO12T	TM5SDO4R	TM5SAO4L	TM5C24D18T

(1) Modicon M258 and Modicon LMC058 controllers offer the possibility of creating IP20 or IP67 islands of remote I/O via the TM5 expansion bus. For Modicon TM7 (IP67) and Modicon TM5 (IP20) modular I/O systems, refer to the essential guide DIA3ED2070413EN or consult www.schneider-electric.com

(2) To be ordered separately