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Consiliere specializata



SCHNEIDER AUTOMAT PROGRAMABIL M200 CU 40 IO PE TRANZISTOR PNP, CU ETHERNET

range of product	Easy Modicon M200
product or component type	Logic controller
[Us] rated supply voltage	24 V DC
discrete I/O number	40
discrete input number	I2...I5: 4 fast input I0, I1, I6, I7: 4 high speed input I8...I23: 16 regular input
discrete output number	Q0...Q1: 2 fast output (PLS/PWM/PTO mode) Q2...Q15: 14 transistor output
discrete input voltage	24 V
discrete input voltage type	DC
discrete input current	7 mA for input
discrete input logic	Sink or source (positive/negative) type 1 conforming to EN/IEC 61131-2
discrete output voltage	24 V DC
discrete output current	0.5 A
discrete output type	Transistor
discrete output logic	Positive logic (source)
power consumption in W	18 W at 24 V DC (with max I/O)
maximum number of I/O expansion module	Complementary 4 with 64 discrete output(s) for relay output 4 with 144 discrete output(s) for transistor output
supply voltage limits	20.4…28.8 V
inrush current	35 A

voltage state 1 guaranteed	>= 15 V for input
voltage state 0 guaranteed	<= 5 V for input
input impedance	3.3 kOhm for discrete input
response time	1 ms turn-on, Q0...Q15 terminal(s) for output 1 ms turn-off, Q0...Q15 terminal(s) for output 5 µs turn-off, I0, I1, I6, I7 terminal(s) for high speed input 5 µs turn-on, I0, I1, I6, I7 terminal(s) for high speed input 100 µs turn-off, I2...I5 terminal(s) for fast input 35 µs turn-on, I2...I5 terminal(s) for fast input 100 µs turn-off, I8...I13 terminal(s) for regular input 35 µs turn-on, I8...I13 terminal(s) for regular input 125 µs turn-off, I14...I23 terminal(s) for regular input 55 µs turn-on, I14...I23 terminal(s) for regular input
configurable filtering time	0 ms for input 3 ms for input 12 ms for input
maximum current per output common	2 A 4 A
output frequency	100 kHz for fast output (PWM/PLS mode) at Q0...Q1
maximum leakage current	0.1 mA for transistor output
maximum voltage drop	
maximum tungsten load	
protection type	Overload and short-circuit protection at 2 A
reset time	1 s automatic reset
memory capacity	512 byte internal flash for backup of programs
data storage equipment	32 GB micro SD card (optional)
battery type	BR2032 Li-CFx (Lithium-Carbon Monofluoride), battery life: 5 year(s)
backup time	3 years at 25 °C (by interruption of power supply)
execution time for 1 KInstruction	0.3 ms for event and periodic task
execution time per instruction	0.2 µs Boolean
exct time for event task	60 µs response time
clock drift	<= 90 s/month at 25 °C
regulation loop	Adjustable PID regulator up to 14 simultaneous loops
positioning functions	PWM/PLS 2 channel(s) at 100 kHz
control signal type	Quadrature (x1, x2, x4) at 100 kHz for fast input (HSC mode) Pulse/direction at 100 kHz for fast input (HSC mode) Single phase at 100 kHz for fast input (HSC mode) CW/CCW at 100 kHz for fast input (HSC mode)
counting input number	4 fast input (HSC mode) at 100 kHz 32 bits
integrated connection type	USB port with mini B USB 2.0 connector Non isolated serial link serial 1 with terminal block connector and RS485 interface Non isolated serial link serial 2 with terminal block connector and RS232/RS485 interface Ethernet Modbus TCP/IP Ethernet with RJ45 connector and 1 Ethernet port 10/100BASE-T interface Isolated serial link serial 2 with terminal block connector and RS485 interface

transmission rate	1.2...115.2 kbit/s (115.2 kbit/s by default) for bus length of 15 m for RS485 1.2...115.2 kbit/s (115.2 kbit/s by default) for bus length of 3 m for RS232 12 Mbit/s for USB
communication port protocol	USB port: USB - SoMachine-Network Non isolated serial link: Modbus master/slave - RTU/ASCII or SoMachine-Network Ethernet Modbus TCP/IP: Modbus TCP/IP client/server
local signalling	1 LED (green) for PWR 1 LED (green) for RUN 1 LED (red) for module error (ERR) 1 LED (green) for SD card access (SD) 1 LED (red) for BAT 1 LED (green) for SL1 1 LED per channel (green) for I/O state 2 LEDs (green) for communication (LK/ACT 10/100)
electrical connection	Mini B USB 2.0 connectorfor a programming terminal RJ45 connectorfor connecting Ethernet network removable screw terminal blockfor inputs removable screw terminal blockfor outputs removable screw terminal block, 3 terminal(s) for connecting the 24 V DC power supply removable screw terminal block, 4 terminal(s) for connecting the serial link1
maximum cable distance between devices	Unshielded cable: Shielded cable: Shielded cable: Unshielded cable:
insulation	Non-insulated between inputs Between input and internal logic at 500 V AC Between fast input and internal logic at 500 V AC Between input groups at 500 V AC Between output and internal logic at 500 V AC Between output groups at 500 V AC Between supply and internal logic at 500 V DC
marking	CE
mounting support	Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 plate or panel with fixing kit conforming to IEC 60715

Pret: 2.013,04 LEI (TVA inclus)

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