

SCHNEIDER AUTOMAT PROGRAMABIL M200 CU 40 IO PE RELEE, CU ETHERNET

range of product	Easy Modicon M200
product or component type	Logic controller
[Us] rated supply voltage	100...240 V AC
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	16 relay
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 220 V AC
discrete output current	2 A
discrete output type	Relay normally open
power consumption in VA	59…69 VA at 100...240 V AC (with max I/O)
maximum number of I/O expansion module	Complementary 4 with 128 discrete output(s) for transistor output 4 with 80 discrete output(s) for relay output
supply voltage limits	85…264 V
network frequency	50/60 Hz

inrush current	50 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	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 10 ms turn-off, Q0...Q15 terminal(s) for relay output 10 ms turn-on, Q0...Q15 terminal(s) for relay output 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
output voltage limits	30 V DC 250 V AC
maximum current per output common	4 A
electrical durability	100000 cycles AC-12, 240 V, 480 VA, resistive 100000 cycles DC-12, 24 V, 48 W, resistive
switching frequency	0.1 Hz with maximum load
mechanical durability	20000000 cycles for relay output
minimum load	10 mA at 5 V DC for relay output
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
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 10/100 Mbit/s for bus length of 100 m for Ethernet Modbus TCP/IP
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

Pret: 1.731,13 LEI (TVA inclus)

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