

**Modular PLC XC204, Micro PLC, programmable CODESYS 3, USB,
Ethernet, XN300 IO expandable**



**Part no. XC-204-C10-000
199973**

Product name	Eaton XC200 modular PLC
Part no.	XC-204-C10-000
EAN	4015081997619
Product Length/Depth	104.2 millimetre
Product height	29.3 millimetre
Product width	80.3 millimetre
Product weight	0.11 kilogram
Certifications	UL File No.: E205091 EAC cULus Listed EN 61131 UL listed CE
Product Tradename	XC200
Product Type	Modular PLC
Product Sub Type	None
Public Consumption	Yes
Product Family Description	ES-PMCC-ICP-Eaton XC200 modular programmable logic controllers
Globally Marketable	Yes
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Meets the product standard's requirements.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
Air discharge	8 kV/6 kV, Air/contact discharge, ESD
Air pressure	795 - 1080 hPa (operation)
Ambient operating temperature - max	60 °C
Ambient operating temperature - min	-20 °C
Ambient storage temperature - max	70 °C
Ambient storage temperature - min	-25 °C
Burst impulse	1 kV, Signal cable

		2 kV, Supply cable
Climatic proofing		Damp heat, constant, to IEC 60068-2-3 Dry heat to IEC 60068-2-2
Connection type		Push-in spring-cage terminal, Connection design in TOP direction
CPU module type		CORTEX A7@800MHz
Degree of protection		IP20
Electromagnetic fields		10 V/m at 0.08 - 1.0 GHz (according to IEC EN 61000-4-3) 1 V/m at 2 - 2.7 GHz (according to IEC EN 61000-4-3) 3 V/m at 1.4 - 2 GHz (according to IEC EN 61000-4-3)
Emitted interference		40 dB (at 30 - 230 MHz, Class A, radiated, high frequency) 47 dB (at 230 - 1000 MHz, Class A, radiated, high frequency)
Environmental conditions		Condensation: prevent with appropriate measures
Explosion safety category for dust		None
Explosion safety category for gas		None
Fitted with:		XSOFT-CODESYS 3
Functions		Additional program memory possible
Gauge pin		A1 (according to IEC/EN 60947-1)
Heat dissipation details		The max. heat dissipation is specified as the maximum power produced inside the device's housing.
Insulating material group		I
Interfaces		ETH XN300
Load current		Max. 6 A per 1.5 mm ² (cross-sectional area)
Memory capacity		512,000 kByte
Memory type		RAM
Model		Modular
Mounting method		Rail mounting possible
Mounting position		Vertical (on horizontal top-hat rail)
Number of channels		0
Number of HW-interfaces (industrial ethernet)		1
Number of HW-interfaces (other)		1
Number of HW-interfaces (parallel)		0
Number of HW-interfaces (RS-232)		0
Number of HW-interfaces (RS-422)		0
Number of HW-interfaces (RS-485)		0
Number of HW-interfaces (USB)		1
Number of HW-interfaces (wireless)		0
Number of inputs (analog)		0
Number of inputs (digital)		0
Number of interfaces (PROFINET)		0
Number of outputs (analog)		0
Number of outputs (digital)		0
Number of relay outputs		0
Number of time switches - max		1000
Overvoltage category		II
Pollution degree		2
Processing time		1.25 µs
Protocol		EtherNet/IP MODBUS Other bus systems TCP/IP
Radiated RFI		10 V
Rated operational current (Ie)		1.4 A (supply input)
Rated operational voltage		24 V 160 V (terminations)
Relative humidity		< 95 % (non-condensing)
Safety performance level (EN ISO 13849-1)		None
Shock resistance		15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts
SIL (IEC 61508)		None

Static heat dissipation, non-current-dependent Pvs		6.3 W
Stripping length (main cable)		10 mm
Supply voltage at AC, 50 Hz - max		0 V AC
Supply voltage at AC, 50 Hz - min		0 V AC
Supply voltage at AC, 60 Hz - max		0 V AC
Supply voltage at AC, 60 Hz - min		0 V AC
Supply voltage at DC - max		30 V DC
Supply voltage at DC - min		19.2 V DC
Surge rating		0.5/0.5 kV, Supply cable, balanced/unbalanced, EMC 1 kV, Signal cable, unbalanced, EMC
System accessory		Yes
Terminal capacity (AWG)		24 - 16
Terminal capacity (flexible with ferrule)		0.25 - 1.5 mm ² , with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) 0.25 - 1.5 mm ² , with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)
Terminal capacity (flexible)		0.2 - 1.5 mm ² , H 07V-K
Terminal capacity (solid)		0.2 - 1.5 mm ² , H07V-U
Type		Modular PLC XC204
Vibration resistance		5 - 8.4 / 8.4 -150 Hz, 3,5 mm / 1 g
Voltage dips		20 ms 10 ms
Voltage type		DC

Technical data ETIM 8.0

Programmable logic controllers PLC (EG000024) / PLC CPU-module (EC000236)		
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / SPS - basic device (ecI@ss10.0.1-27-24-22-07 [AKE530014])		
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	19.2 - 30
Voltage type of supply voltage		DC
Number of relay outputs		0
Max. number of time switches		1,000
Model		Modular
Processing time (1K, binary operation)	ms	0.00125
Number of HW-interfaces industrial Ethernet		1
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		0
Number of HW-interfaces USB		1
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		1
Number of analogue outputs		0
Number of analogue inputs		0
Number of digital inputs		0
Number of digital outputs		0
With optical interface		No
Supporting protocol for TCP/IP		Yes
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		No
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for Modbus		Yes
Supporting protocol for Data-Highway		No

Supporting protocol for DeviceNet			No
Supporting protocol for SUCONET			No
Supporting protocol for LON			No
Supporting protocol for PROFINET IO			No
Supporting protocol for PROFINET CBA			No
Supporting protocol for SERCOS			No
Supporting protocol for Foundation Fieldbus			No
Supporting protocol for EtherNet/IP			Yes
Supporting protocol for AS-Interface Safety at Work			No
Supporting protocol for DeviceNet Safety			No
Supporting protocol for INTERBUS-Safety			No
Supporting protocol for PROFIsafe			No
Supporting protocol for SafetyBUS p			No
Supporting protocol for other bus systems			Yes
Supporting protocol for DNP3			No
Supporting protocol for IEC 60870			No
Supporting protocol for IEC 61850 Ethernet			No
Radio standard Bluetooth			No
Radio standard Wi-Fi 802.11			No
Radio standard GPRS			No
Radio standard GSM			No
Radio standard UMTS			No
Long-Term Evolution (LTE)			No
IO link master			No
System accessory			Yes
Redundancy			No
With display			No
Type of memory			RAM
Memory size		kByte	512,000
Additional program memory possible			Yes
Rail mounting possible			Yes
Wall mounting/direct mounting			No
Front built-in possible			No
Rack-assembly possible			No
Suitable for safety functions			No
SIL according to IEC 61508			None
Performance level according to EN ISO 13849-1			None
Appendant operation agent (Ex ia)			No
Appendant operation agent (Ex ib)			No
Explosion safety category for gas			None
Explosion safety category for dust			None
Width		mm	80.3
Height		mm	29.3
Depth		mm	104.2