Eaton 199974

Eaton Modular PLC XC204, Micro PLC, programmable CODESYS 3, USB, Ethernet, CAN, RS485, XN300 IO expandable

PRODUCT NAME	Eaton XC200 modular PLC
CATALOG NUMBER	199974
PRODUCT LENGTH/DEPTH	104.2 mm
PRODUCT HEIGHT	29.3 mm
PRODUCT WIDTH	80.3 mm
PRODUCT WEIGHT	0.11 kg
CERTIFICATIONS	UL listed EN 61131 EAC UL File No.: E205091 CE cULus Listed

Powering Business Worldwide

TYPE	Modular PLC XC204
AIR DISCHARGE	8 kV/6 kV, Air/contact discharge, ESD
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.

MCAD MODEL	eaton-xc-204-c11-003-drawing.dwg eaton-xc-204-c11-003-3d-model.stp

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.
FITTED WITH:	XSOFT-CODESYS 3
POLLUTION DEGREE	2
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
AIR PRESSURE	795 - 1080 hPa (operation)
EXPLOSION SAFETY CATEGORY FOR DUST	None
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures
EXPLOSION SAFETY CATEGORY FOR GAS	None
MOUNTING METHOD	Rail mounting possible
VOLTAGE TYPE	DC
MOUNTING POSITION	Vertical (on horizontal top-hat rail)
MEMORY CAPACITY	512,000 kByte
NUMBER OF CHANNELS	0
SAFETY PERFORMANCE LEVEL (EN ISO 13849-1)	None
SIL (IEC 61508)	None
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-20 °C

AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
NUMBER OF HW-INTERFACES (INDUSTRIAL ETHERNET)	1
NUMBER OF HW-INTERFACES (OTHER)	2
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)	1
NUMBER OF HW-INTERFACES (USB)	1
NUMBER OF HW-INTERFACES (WIRELESS)	0
NUMBER OF INTERFACES (PROFINET)	0
NUMBER OF OUTPUTS (ANALOG)	0
OVERVOLTAGE CATEGORY	II
SURGE RATING	0.5/0.5 kV, Supply cable, balanced/unbalanced), EMC 1 kV, Signal cable, unbalanced, EMC
EMITTED INTERFERENCE	40 dB (at 30 - 230 MHz, Class A, radiated, high frequency) 47 dB (at 230 - 1000 MHz, Class A, radiated, high frequency)
TERMINAL CAPACITY (AWG)	24 - 16
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)
LOAD CURRENT	Max. 6 A per 1.5 mm^2

	(cross-sectional area)
NUMBER OF INPUTS (ANALOG)	0
CONNECTION TYPE	Push-in spring-cage terminal, Connection design in TOP direction
RADIATED RFI	10 V
MEMORY TYPE	RAM
NUMBER OF OUTPUTS (DIGITAL)	0
CPU MODULE TYPE	CORTEX A7@800MHz
RELATIVE HUMIDITY	< 95 % (non-condensing)
DEGREE OF PROTECTION	IP20
NUMBER OF RELAY OUTPUTS	0
PROTOCOL	CAN EtherNet/IP MODBUS Other bus systems TCP/IP
RATED OPERATIONAL CURRENT (IE)	1.4 A (supply input)
FUNCTIONS	Additional program memory possible
GAUGE PIN	A1 (according to IEC/EN 60947-1)
VIBRATION RESISTANCE	5 - 8.4 / 8.4 -150 Hz, 3,5 mm / 1 g
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts
NUMBER OF TIME SWITCHES - MAX	1000
PROCESSING TIME	1.25 microsecond
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	6.3 W
STRIPPING LENGTH (MAIN CABLE)	10 mm
SUPPLY VOLTAGE AT AC, 50 HZ - MAX	0 VAC
SUPPLY VOLTAGE AT AC, 50 HZ - MIN	0 VAC
SUPPLY VOLTAGE AT AC, 60 HZ - MAX	0 VAC

SUPPLY VOLTAGE AT AC, 60 HZ - MIN	0 VAC
SUPPLY VOLTAGE AT DC - MAX	30 VDC
SUPPLY VOLTAGE AT DC - MIN	19.2 VDC
HEAT DISSIPATION DETAILS	The max. heat dissipation is specified as the maximum power produced inside the device's housing.
INSULATING MATERIAL GROUP	I
TERMINAL CAPACITY (FLEXIBLE)	0.2 - 1.5 mm^2, H 07V-K
INTERFACES	ETH CAN RS485 XN300
SYSTEM ACCESSORY	Yes
MODEL	Modular
NUMBER OF INPUTS (DIGITAL)	0
VOLTAGE DIPS	20 ms 10 ms
RATED OPERATIONAL VOLTAGE	24 V 160 V (terminations)
TERMINAL CAPACITY	0.25 - 0.75 mm^2, with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)
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 (SOLID)	0.2 - 1.5 mm^2, H07V-U

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
:	

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