Specifications

Eaton 197871



Catalog Number: 197871

Eaton XC Starter kit consisting of 1 x XC-303-C32-002, 1 x XN-322-8DIO-PD05, patch cable and software license for CODESYS V3

General specifications

Product Name
Eaton XC Modular PLC

Catalog Number
197871

EAN
4015081949922

Product Length/Depth
200 mm

Product Height
135 mm

Product Width
255 mm

Product Weight
0.75 kg

Certifications
Certified by UL for use in Canada
cULus Listed
EAC
UL Listed
CE
UL File No.: E205091
EN 61131

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Features & Functions

Fitted with:

Basic device

Connection cable

Digital output module

Programming software

General

Mounting method

Rail mounting possible

Ambient conditions, mechanical

Mounting position

Vertical (on horizontal top-hat rail)

Climatic environmental conditions

Air pressure

795 - 1080 hPa (operation)

Environmental conditions

Condensation: prevent with appropriate measures

Relative humidity

< 95 % (non-condensing)

Electro magnetic compatibility

Burst impulse

2 kV, Supply cable

1 kV, Signal cable

Electromagnetic fields

1 V/m at 2 - 2.7 GHz (according to IEC EN 61000-4-3)

10 V/m at 0.08 - 1.0 GHz (according to IEC EN 61000-4-3)

3 V/m at 1.4 - 2 GHz (according to IEC EN 61000-4-3)

Surge rating

1 kV, Signal cable, unbalanced, EMC

0.5/0.5 kV, Supply cable, balanced/unbalanced), EMC

Terminal capacities

Terminal capacity (flexible with ferrule)

0.25 - 1.5 mm², with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)

0.25 - 1.5 mm², with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)

Terminal capacity (solid)

0.2 - 1.5 mm², H07V-U

Input/Output

Number of inputs (analog)

0

Number of outputs (digital)

8

Rated operational current (Ie)

2.8 A (supply input)

Design verification

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

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.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

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.

Resources

Brochures

Slice card modular I/O system for the machine building industry XN300 - brochure

eaton-xc300-modular-plc-brochure-br050008en-en-us.pdf

Catalogs

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Declarations of conformity

DA-DC-00003439.pdf

DA-DC-00004037.pdf

Drawings

eaton-modular-plc-dimensions-2723dim-114.eps

eaton-modular-plc-xc-modular-plc-3d-drawing.eps

eaton-modular-plc-xc-modular-plc-3d-drawing-002.eps

Installation instructions

IL050018ZU

IL050017ZU

Installation videos

XC100, XC200, XC300 – Eaton's modular PLC ranges

Manuals and user guides

eaton-xn-322-i-o-series-end-user-license-agreement-mz050025-en-us.pdf

eaton-xn-322-i-o-series-product-cybersecurity-guideline-mz050024-en-us.pdf

MN050005_EN

eaton-xn300-slice-modules-mn050002-en-us.pdf

Multimedia

System solutions based on EtherCAT

Sales notes

eaton-starset-xc300-modular-plc-flyer-fl050017en-en-us.pdf



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