

Specifications



Eaton 152279

Eaton XN ECO gateway for XI/ON I/O system, modbus-TCP

General specifications

PRODUCT NAME	Eaton XN Gateway
CATALOG NUMBER	152279
MODEL CODE	XNE-GWBR-2ETH-MB
EAN	7640130095298
PRODUCT LENGTH/DEPTH	129 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	33.5 mm
PRODUCT WEIGHT	0.136 kg
CERTIFICATIONS	cULus CE

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	55 °C
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AMBIENT OPERATING TEMPERATURE - MIN	0 °C
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Communication

ADDRESSING	Address set via DIP switch, BootP, DHCP or PGM
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CONNECTION TYPE	2 x RJ45 (Ethernet Switch), Field bus Push-In spring-cage terminals, Connection design in TOP direction
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DATA TRANSFER RATE	10/100 MBit/s
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INTERFACES	Ethernet (Modbus-TCP protocol), Field bus connection
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PROTOCOL	MODBUS Other bus systems
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Design verification

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.

Electrical rating

SUPPLY VOLTAGE AT DC - MAX 30 V

SUPPLY VOLTAGE AT DC - MIN 18 V

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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	8 W

Features & functions

FEATURES	Fieldbus connection over separate bus coupler possible Fieldbus connection over separate bus coupler possible
FITTED WITH:	Potential separation

Safety

EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None

General information

ACCESSORIES	1 x end plate XN-ABPL and 2 x end bracket XN-WEW-32/2-SW included with supplied equipment.
DEGREE OF PROTECTION	IP20
MOUNTING METHOD	Rail mounting possible
TYPE	XI/ON ECO gateways
VOLTAGE TYPE	DC

Resources

BROCHURES	eaton-xc300-modular-plc-brochure-br050008en-en-us.pdf Slice card modular I/O system for the machine building industry XN300 - brochure
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ECAD MODEL	DA-CE-ETN.XNE-GWBR-2ETH-MB
MANUALS AND USER GUIDES	MN05002008Z_EN
MCAD MODEL	DA-CS-xne_gwbr_2eth_ip_eaton-com-modules-mcad-drawings-xne-gwbr-2eth-ip.dwg

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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