Eaton 140044

Eaton XNE ECO gateway for XI/ON I/O system, integrated

PRODUCT NAME	Eaton XNE Gateway
CATALOG NUMBER	140044
PRODUCT LENGTH/DEPTH	129 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	33.5 mm
PRODUCT WEIGHT	0.136 kg
CERTIFICATIONS	cULus IEC/EN 61000-6-2 IEC/EN 61131-2 Rated data for terminations according to IEC/EN 60947-7-1 CE IEC/EN 6113-2 IEC/EN 61000-6-4
CATALOG NOTES	supports up to 62 disc-type modules (XN, XNE)

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TYPE	• XI/ON ECO gateways • XNE-Gateway with integrated supply
ACCESSORIES	1 x end plate XN-ABPL and 2 x end bracket XN-WEW-32/2-SW included with supplied equipment.
FEATURES	Fieldbus connection over separate bus coupler possible
AIR DISCHARGE	According to EN 61100-4-2
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	Does not apply, since the

DECLARATIONS OF CONFORMITY	DA-DC-00003698.pdf DA-DC-00003875.pdf
MCAD MODEL	xne_gwbr_canopen.stp
	XNE-GWBR-CANopen_00008016_V4.30 IOA2_V2.64 XNE107591V423
	eaton-io-modules-xne-gateway-dimensions.eps eaton-io-modules-xne-gateway-3d-drawing.eps

IMPACT	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.
FITTED WITH:	Bus refreshing module Potential separation
BURST IMPULSE	According to IEC/EN 61000-4-4
ADDRESSING	Address set via DIP switch Address range: 1 - 63 decimal
ADMISSIBLE RANGE	18 - 30 V DC, Networking
CONFIGURATION	Maximum station configuration: 62 cards (XN, XNE) of slice design or max. length of station: 1 m
BUS TERMINATION	Via DIP switch, Networking
EXPLOSION SAFETY CATEGORY FOR DUST	None
ENVIRONMENTAL CONDITIONS	Harmful gasses - H2S: 1 ppm (relative humidity < 75%, no condensation) Harmful gasses - SO2: 10 ppm (relative humidity < 75%, no condensation)

EXPLOSION SAFETY CATEGORY FOR GAS	None
MOUNTING METHOD	Rail mounting possible
VOLTAGE TYPE	DC
CONTACT DISCHARGE	According to EN 61100-4-2
SUPPLY VOLTAGE	4.7 - 5.3 V DC
SURGE RATING	According to IEC/EN 61000-4-5 Level 4
EMITTED INTERFERENCE	230 - 1000 MHz (radiated, high frequency, according to EN 55016-2-3) 30 - 230 MHz (radiated, high frequency, according to EN 55016-2-3)
SAFETY PERFORMANCE LEVEL (EN ISO 13849-1)	None
SIL (IEC 61508)	None
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	0 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
ELECTROMAGNETIC FIELDS	According to IEC EN 61100-4-2
CONNECTION TYPE	Push-In spring-cage terminals, Field bus Spring-cage terminals, Field bus/Supply voltage) Push-In spring-cage terminals, Connection design in TOP direction
RADIATED RFI	IEC/EN 61100-4-6
DROP AND TOPPLE	According to IEC 60068-2-31, free fall according to IEC 60068-2-32
DATA TRANSFER RATE	800 kBit/s 50 kBit/s

	500 kBit/s, Networking 800 kBit/s, Networking 125 kBit/s, Networking 250 kBit/s 10 kBit/s, Networking 1000 kBit/s, Networking 1000 kBit/s 20 kBit/s Setting through DIP switch or automatically 50 kBit/s, Networking 250 kBit/s, Networking 500 kBit/s 125 kBit/s
RELATIVE HUMIDITY	5 - 95 % (indoor, Level RH-2, non-condensing for storage at 45°C)
DEGREE OF PROTECTION	IP20
PROTOCOL	CANopen® CAN Other bus systems
RESIDUAL RIPPLE	According to EN 61131-2
GAUGE PIN	A1 (according to IEC/EN 60947-1)
FIELD VOLTAGE	24 V DC (UL)
VIBRATION RESISTANCE	According to IEC/EN 60068-2-6
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 Continuous according to IEC/EN 60068-2-29
INTERFACES	PS/2 socket (Service interface) CANopen®, Field bus connection
SYSTEM ACCESSORY	Yes
POTENTIAL ISOLATION	Through optocoupler: yes
VOLTAGE DIPS	According to EN 61131-2 (Voltage fluctuations/voltage dips)
TERMINAL CAPACITY	0.25 - 1.5 mm^2, with ferrules without plastic collar 0.25 - 1.5 mm^2, solid 0.25 - 1.5 mm^2, flexible without ferrule 0.25 - 0.75 mm^2, with ferrules with plastic collar
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A

STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	6 W
STRIPPING LENGTH (MAIN CABLE)	8 mm
SUPPLY VOLTAGE AT AC, 50 HZ - MAX	0 V
SUPPLY VOLTAGE AT AC, 50 HZ - MIN	0 V
SUPPLY VOLTAGE AT AC, 60 HZ - MAX	0 V
SUPPLY VOLTAGE AT AC, 60 HZ - MIN	0 V
SUPPLY VOLTAGE AT DC - MAX	30 V
SUPPLY VOLTAGE AT DC - MIN	18 V

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:

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