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



Part no. XNE-GWBR-CANOPEN 140044

EL Number 4520000

(Norway)

(Norway)	
General specifications	
Product name	Eaton XNE Gateway
Part no.	XNE-GWBR-CANOPEN
EAN	7640130120600
Product Length/Depth	129 millimetre
Product height	75 millimetre
Product width	33.5 millimetre
Product weight	0.136 kilogram
Certifications	Rated data for terminations according to IEC/EN 60947-7-1 CULus IEC/EN 61000-6-2 IEC/EN 61000-6-4 CE IEC/EN 61131-2 IEC/EN 6113-2
Product Tradename	XNE
Product Type	Gateway
Product Sub Type	None
Catalog Notes	supports up to 62 disc-type modules (XN, XNE)
Features & Functions	
Features	Fieldbus connection over separate bus coupler possible
Fitted with:	Bus refreshing module Potential separation
General information	
Accessories	1 x end plate XN-ABPL and 2 x end bracket XN-WEW-32/2-SW included with supplied equipment.
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
Degree of protection	IP20
Mounting method	Rail mounting possible
Residual ripple	According to EN 61131-2
Туре	XI/ON ECO gateways XNE-Gateway with integrated supply
Voltage type	DC
Ambient conditions, mechanical	
Drop and topple	According to IEC 60068-2-31, free fall according to IEC 60068-2-32
Shock resistance	Mechanical, According to IEC/EN 60068-2-27 Continuous according to IEC/EN 60068-2-29
Vibration resistance	According to IEC/EN 60068-2-6
Climatic environmental conditions	
Ambient operating temperature - min	0 ° C
Ambient operating temperature - max	55 °C
Ambient storage temperature - min	-25 °C
Ambient storage temperature - max	85 °C
Environmental conditions	Harmful gasses - H2S: 1 ppm (relative humidity < 75%, no condensation) Harmful gasses - S02: 10 ppm (relative humidity < 75%, no condensation)
Relative humidity	5 - 95 % (indoor, Level RH-2, non-condensing for storage at 45°C)
Electro magnetic compatibility	
Air discharge	According to EN 61100-4-2
Burst impulse	According to IEC/EN 61000-4-4
Contact discharge	According to EN 61100-4-2

Electromagnetic fields	According to IEC EN 61100-4-2
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)
Radiated RFI	IEC/EN 61100-4-6
Surge rating	According to IEC/EN 61000-4-5 Level 4
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Voltage dips Terminal capacities	According to EN 61131-2 (Voltage fluctuations/voltage dips)
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Terminal capacity	0.25 - 1.5 mm², with ferrules without plastic collar 0.25 - 1.5 mm², solid 0.25 - 1.5 mm², flexible without ferrule 0.25 - 0.75 mm², with ferrules with plastic collar
Gauge pin	A1 (according to IEC/EN 60947-1)
Stripping length (main cable)	8 mm
Electrical rating	
Supply voltage	4.7 - 5.3 V DC
Supply voltage at AC, 50 Hz - min	0 V
Supply voltage at AC, 50 Hz - max	0 V
Supply voltage at DC - min	18 V
Supply voltage at DC - max	30 V
Communication	
Addressing	Address set via DIP switch Address range: 1 - 63 decimal
Bus termination	Via DIP switch, Networking
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
Data transfer rate Field voltage	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 250 kBit/s, Networking 250 kBit/s, Networking 250 kBit/s, Networking 500 kBit/s 125 kBit/s
Interfaces	PS/2 socket (Service interface)
	CANopen®, Field bus connection
Protocol	CANopen® CAN Other bus systems
Safety	
Explosion safety category for dust	None
Explosion safety category for gas	None
Potential isolation	Through optocoupler: yes
Design verification	
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	6 W
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.
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.

Technical data ETIM 9.0

Supply voltage AC 50 Hz V 0 - 0 Supply voltage DC V 18 - 30 Number of HW-interfaces CAN DC Number of HW-interfaces EAN BC Number of HW-interfaces RS-222 BC Number of HW-interfaces RS-222 BC Number of HW-interfaces RS-428 BC Number of HW-interfaces RS-428 BC Number of HW-interfaces S-448 BC Number of HW-interfaces S-489 BC Number of HW-inte	Technical data ETIM 9.0		
Supply voltage AC 59 Hz	Programmable logic controllers PLC (EG000024) / Fieldbus, decentr. periphery - cor	nmunication module ((EC001604)
Supply voltage AC 60 Hz V 0 - D Supply voltage DC V 16 - 30 Widage type I supply voltage! DC Number of I HW-interfaces CAN DC Number of I HW-interfaces industrial Ethernet Widage Special Interfaces PROFINET Number of I HW-interfaces RS-322 Number of I HW-interfaces RS-485 Number of HW-interfaces uses ITY Interfaces INTERPRETATION INTERFACES Uses Number of HW-interfaces satell Interfaces wireless Number of HW-interfaces wireless Interfaces wireless Number of HW-interfaces wireless Interfaces wireless Number of HW-interfaces wireless No Supporting protocol for PENPE No Supporting protocol for Febrack No Supporting protocol for FCP/IP No Supporting protocol for EtherCAT No Supporting protocol for FCP/IP No Supporting protocol for EtherCAT No	Electric engineering, automation, process control engineering / Control, Process C communications module (ecl@ss13-27-24-26-08 [BAA073018])	ontrol System (PCS) /	Field bus, decentralized peripheral / Field bus, decentralized peripheral -
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Supporting protocol for INTERBUS-Safety 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
Radio standard Bluetooth		No
Radio standard WLAN 802.11		No
Radio standard GPRS		No
Radio standard eGPRS		No
Radio standard GSM		No
Radio standard LTE		No
Radio standard UMTS		No
IO link master		No
System accessory		Yes
Degree of protection (IP)		IP20
With potential separation		Yes
Fieldbus connection over separate bus coupler 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
Certified for UL hazardous location class I		No
Certified for UL hazardous location class II		No
Certified for UL hazardous location class III		No
Certified for UL hazardous location division 1		No
Certified for UL hazardous location division 2		No
Certified for UL hazardous location group A (acetylene)		No
Certified for UL hazardous location group B (hydrogen)		No
Certified for UL hazardous location group C (ethylene)		No
Certified for UL hazardous location group D (propane)		No
Certified for UL hazardous location group E (metal dusts)		No
Certified for UL hazardous location group F (carbonaceous dusts)		No
Certified for UL hazardous location group G (non-conductive dusts)		No
Width	mm	33.5
Height	mm	75
Depth	mm	129