



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

Part no.
Article no.

XNE-GWBR-CANOPEN
140044



Powering Business Worldwide™

Delivery program

Function	XI/ON ECO gateways
Connection technique	Push-in spring-cage terminal
Function	XNE-Gateway with integrated supply
Short Description	supports up to 62 disc-type modules (XN, XNE) Address set with DIP switch Address range: 1 – 63 (dec.)
Field bus connection	CANopen®
Terminal capacity (field bus/supply voltage)	Spring-cage terminals
Service interface	PS/2 socket
Data transfer rate	1000 Kbit/s 800 Kbit/s 500 Kbit/s 250 Kbit/s 125 kbit/s 50 Kbit/s 20 Kbit/s

Instructions Bus refreshing module is already integrated.

Information about equipment supplied The delivery package for all gateways includes: 2 x end bracket XN-WEW-32/2-SW, 1 x end plate XN-ABPL

Technical data

General

Standards			EN 61000-6-2 EN 61000-6-4 EN 61131-2
Potential isolation			Yes, through optocoupler
Ambient temperature		°C	0 - +55
Storage	8	°C	-25 - +85
Relative humidity			5 - 95 % (indoor), Level RH-2, no condensation (for storage at 45°C)
Harmful gases		ppm	SO ₂ : 10 (rel. humidity < 75%, no condensation) H ₂ S: 1.0 (rel. humidity < 75 %,no condensation)
Vibration			according to IEC/EN 60068-2-6
Mechanical shock resistance		g	according to IEC 60068-2-27
Continuous shock resistance (IEC/EN 60068-2-29)			According to IEC 60068-2-29
Drop and topple			According to IEC 60068-2-31, free fall according to IEC 60068-2-32
Degree of Protection			IP20
Electromagnetic compatibility (EMC)			
ESD	Air/contact discharge	kV	EN 61100-4-2
Electromagnetic fields	(0.08...1) / (1,4...2) / (2...2,7) GHz	V/m	EN 61100-4-2
Burst			EN 61100-4-4
Surge			EN 61100-4-5
Radiated RFI		V	EN 61100-4-6
Emitted interference (radiated, high frequency)	(30...230 MHz) / (230...1000 MHz)	dB	EN 55016-2-3
Voltage fluctuations/voltage dips			EN 61131-2
Type test			to EN 61131-2
Approvals			CE, cULus
Static heat dissipation, non-current-dependent	P _{vs}	W	6

Terminations

Rated data		according to VDE 0611 Part 1/8.92/IEC/EN 60947-7-1
Connection design in TOP direction		Push-In spring-cage terminals
Stripping length	mm	8
Clamping range		max. 0.14 - 1.5 mm ²
Connectable conductors		
Solid	mm ²	0.25 - 1.5
Flexible without ferrule	mm ²	0.25 - 1.5
Flexible with ferrule	mm ²	0.25 - 1.5
Flexible with ferrule	mm ²	0.25 - 0.75
Gauge pin IEC/EN 60947-1		A1

Networking

Bus		CANopen®
Bus protocol		CANopen®
Maximum station configuration		62 cards (XN, XNE) of slice design or max. length of station: 1 m
System supply	U _{sys}	V DC 24 / 5
Coordination type "2"	U _{sys}	V DC 4.7 ... 5.3
Coordination type "1"	U _{sys}	V DC 18 ... 30
Field voltage	U _L	24 V DC
Admissible range		18-30 V DC
Residual ripple	%	According to EN 61131-2
Service interface		PS/2 socket
Connection design for field bus		Push-In spring-cage terminals
Data transfer rate	kBit/s	20, 50, 125, 250, 500, 800, 1000
Data transfer rate setting		Through DIP switch or automatically
Addressing		DIP switches
Field bus termination		Via DIP switch
Address range		1 - 63 decimal

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	A	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	6
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	55
Degree of Protection			IP20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties	
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 6.0

PLC's (EG000024) / Fieldbus, decentr. periphery - communication module (EC001604)

Electric engineering, automation, process control engineering / Control / Field bus, decentralized peripheral / Field bus, decentralized peripheral - communications module (ecl@ss8.1-27-24-26-08 [BAA073010])

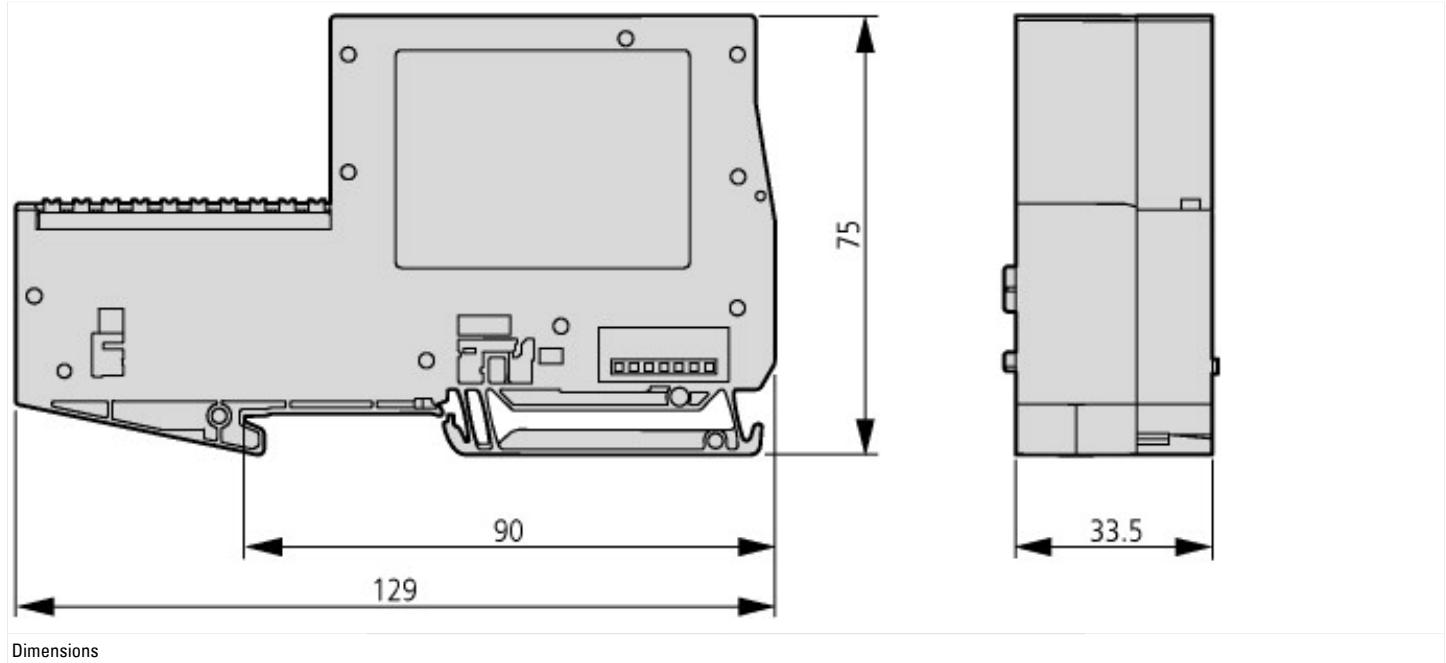
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	18 - 30
Voltage type of supply voltage		DC
Supporting protocol for TCP/IP		No
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for MODBUS		No
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for SERCOS		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		No
Supporting protocol for AS-Interface Safety at Work		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		No
Radio standard Bluetooth		No
Radio standard WLAN 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No
IO link master		No
System accessory		Yes
Degree of protection (IP)		IP20
With potential separation		No
Fieldbus connection over separate bus coupler possible		Yes
Rail mounting possible		Yes
Wall mounting/direct mounting		No

Front build in possible		No
Rack-assembly possible		No
Suitable for safety functions		No
Category according to EN 954-1		
SIL according to IEC 61508		None
Performance level acc. 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
Width	mm	33.5
Height	mm	129
Depth	mm	75

Approvals

Product Standards		IEC/EN 6113-2; CE marking
North America Certification		Request filed for UL and CSA
Specially designed for North America		No
Current Limiting Circuit-Breaker		No
Degree of Protection		IEC: IP20, UL/CSA Type: -

Dimensions



Dimensions

Additional product information (links)

MN05002005Z User manual XI/ON gateways for CANopen

MN05002005Z Benutzerhandbuch XI/ON Gateways für CANopen - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05002005Z_DE.pdf

MN05002005Z User manual XI/ON gateways for CANopen - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05002005Z_EN.pdf

Technical Data

<http://ecat.moeller.net/flip-cat?edition=HPL&startpage=14.111>