



Analog input card XI/ON, 24 V DC, 1AI (meter, 32Bit)

Part no. XN-1CNT-24VDC
Catalog No. 140069

EL-Nummer (Norway) 4520644

Delivery program

Function		XI/ON technology modules
Function		XN Slice module
Short Description		1 Digital input/24 V DC 1 Digital outputs/24 V DC Counting modes: infinite, once only or periodic count Frequency, rotational speed or period count Acquisition of signals from rotary encoders (track A/B)
For use with		XN-S4T-SBBS XN-S4S-SBBS

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
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			
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 7.0

PLC's (EG000024) / Fieldbus, decentr. periphery - function-/technology module (EC001601)

Electric engineering, automation, process control engineering / Control / Field bus, decentralized peripheral / Field bus, decentralized peripheral - function-/technology module (ecl@ss10.0.1-27-24-26-05 [BAA066014])

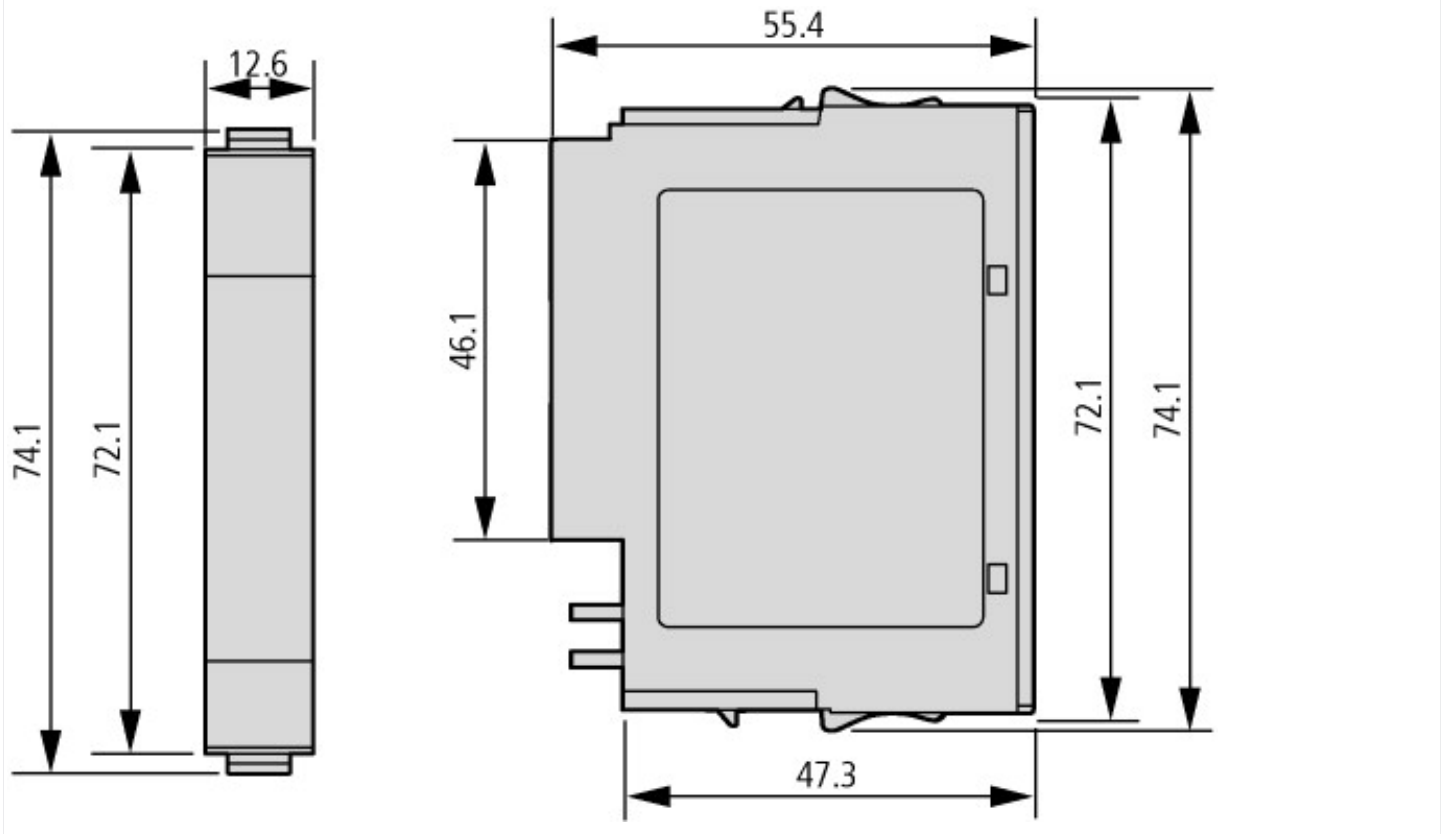
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	11 - 30
Voltage type of supply voltage		DC
Number of functions		0
Number of HW-interfaces industrial Ethernet		0
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		0
Number of HW-interfaces serial TTY		0
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces USB		0
Number of HW-interfaces other		1
With optical interface		No
Supporting protocol for TCP/IP		No
Supporting protocol for PROFIBUS		Yes
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		Yes
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		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
Suitable for counting		Yes
Suitable for weighting		No
Suitable for temperature control		No

Suitable for welding control			No
Suitable for pressure control			No
Suitable for NC			No
Function electronic positioning available			Yes
Suitable for CNC			No
Suitable for SSI			No
Suitable for incremental data detection			Yes
Suitable for detection absolute value			Yes
Flux controller possible			No
Suitable for flux measurement			No
Suitable for path controller			No
Suitable for cam controller			No
Suitable for flying saw			No
Suitable for multi-axis control			No
Single-axis controller possible			Yes
Suitable for multi-axis positioning			No
Single-axis positioning possible			Yes
Function block restart blockage			No
Function block automatic reset			No
Contact control function block			No
Function block emergency stop			No
Function block contactless working protection installation			No
Function block affirm pushbutton			No
Function block 2-hand switching			No
Function block operating mode selection			Yes
Function block access control			No
Degree of protection (IP)			IP20
Degree of protection (NEMA)			
Fieldbus connection over separate bus coupler possible			Yes
Frequency measurement			Yes
Rail mounting possible			No
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. 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	50.6
Height		mm	114.8
Depth		mm	74.4

Approvals

Product Standards			UL 508; CSA-C22.2 No. 142; IEC/EN 6113-2; CE marking
UL File No.			E205091
UL Category Control No.			NRAQ, NRAQ7
CSA File No.			UL report applies to both US and Canada
CSA Class No.			2252-01, 2252-81
North America Certification			UL recognized, certified by UL for use in Canada
Specially designed for North America			No
Current Limiting Circuit-Breaker			No

Dimensions



Dimensions

Additional product information (links)

User manual XI/ON technology module XN-1CNT-24VDC MN05002012Z

Benutzerhandbuch XI/ON Technologiemodul XN-1CNT-24VDC MN05002012Z - Deutsch https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05002012Z_DE.pdf

User manual XI/ON technology module XN-1CNT-24VDC MN05002012Z - English https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05002012Z_EN.pdf

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