Analog input card XI/ON, 24 V DC, 2AI (PT100, 200, 500, 1000, Ni100, 1000)



Powering Business Worldwide

Part no. Catalog No. XN-2AI-PT/NI-2/3

Catalog No.

140067

EL-Nummer (Norway)

4520656

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Function	XI/ON I/O modules
Function	XN Slice module
Short Description	2 Analog inputs Acquisition of normalized signals for temperature measurement Connection of sensor types Pt100, Pt200, Pt500, Pt1000 and Ni100, Ni1000 in 2- or 3- wire circuit
For use with	XN-S3T-SBB XN-S3S-SBB XN-S4T-SBBS XN-S4S-SBBS

Technical data

General

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Standards			EN 61000-6-2 EN 61000-6-4 EN 61131-2
Potential isolation			Yes, through optocoupler
Ambient temperature			
Ambient temperature, operation		°C	0 - +55
Storage, transport	9	°C	-25 - +85
Relative humidity			
Relative humidity			5 - 95 % (indoor), Level RH-2, no condensation (for storage at 45°C)
Ambient conditions, mechanical			
Degree of Protection			IP20
Harmful gases		ppm	SO_2 : 10 (rel. humidity < 75%, no condensation) H ₂ S: 1.0 (rel. humidity < 75 %,no condensation)
Vibration resistance, operating conditions			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
Electromagnetic compatibility (EMC)			
ESD	Air/contact discharge	kV	EN 61000-4-2
Electromagnetic fields	(0.081) / (1,42) / (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)	(30230 MHz) / (2301000 MHz)	dB	EN 55016-2-3
Voltage fluctuations/voltage dips			EN 61131-2
Type test			to EN 61131-2
Approvals			CE, cULus
Other technical data (sheet catalogue)			Technical Data
Analog input modules			
Maggured variables			Tomporature (PT NII) resistance P

- marcy mpar measure			
Measured variables			Temperature (PT, NI), resistance R
Channels		Number	2
Rated voltage through supply terminal	U_{L}		24 V DC
Rated current consumption from supply terminal	IL	mA	30

Rated current consumption from module bus	I _{MB}	mA	≤ 45
Heat dissipation		W	<1
Offset error		%	0.1
Linearity		%	< 0.1
Basic error limit at 23 °C		%	0.2
Repetition accuracy (deviation)		%	0.05
Temperature coefficient			300 ppm/°C of full scale
Measured value representation			16-bit signed integer
			12-bit full range left-justified
Cycle time		ms	< 130 (per channel)
Connectable sensors			Platinum sensors: PT100, PT200, PT500, PT1000 (according to DIN IEC 751) Nickel sensors: Ni100, Ni1000 (according to DIN 43760)
Temperature range		°C, (°F)	Pt: -200 - +850 (-328 - +1562)/-200 - +150 (-328 - +302)
Diagnostics			Ni: -60 - +250 (-76 - +482)/-60 - +150 (-76 - +302) Yes
Base modules			
without C connection			2-/3-wire XN-S3x-SBB
without C connection, for sensor feeding			4-wire XN-S4X-SBBS
Analog output modules			5 5555
Measured variables			Temperature (PT, NI), resistance R
Channels		Number	2
Rated voltage through supply terminal	UL		24 V DC
Rated current consumption from supply terminal	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≤ 45
Heat dissipation	WID	W	<1
Offset error		%	0.1
Linearity		%	< 0.1
Basic error limit at 23 °C		%	0.2
Repetition accuracy (deviation)		%	0.05
Temperature coefficient		,,,	300 ppm/°C of full scale
Measured value representation			16-bit signed integer 12-bit full range left-justified
Base modules			
without C connection			2-/3-wire XN-S3x-SBB
Digital outputs			
Channels		Number	2
Rated voltage through supply terminal	U_{L}		24 V DC
Rated current consumption from the supply terminal (at load current = 0 mA)	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≤ 45
Can be connected			Platinum sensors: PT100, PT200, PT500, PT1000 (according to DIN IEC 751) Nickel sensors: Ni100, Ni1000 (according to DIN 43760)
Diagnostics			Yes
Digital inputs			
Channels		Number	2
Rated voltage through supply terminal	U_L		24 V DC
Rated current consumption from supply terminal	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≦ 45
Heat dissipation		W	<1
Base modules			
without C connection			2-/3-wire XN-S3x-SBB
Relay modules			
Rated voltage through supply terminal	UL		24 V DC
Rated current consumption from supply terminal	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≦ 45

Can be connected			Platinum sensors: PT100, PT200, PT500, PT1000 (according to DIN IEC 751) Nickel sensors: Ni100, Ni1000 (according to DIN 43760)
Base modules			
without C connection			2-/3-wire XN-S3x-SBB
Power supply module			
Rated voltage through supply terminal	U_L		24 V DC
Rated current consumption from supply terminal	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≦ 45
Counter module			
Channels		Number	2
Rated voltage through supply terminal	U_L		24 V DC
Rated current consumption from supply terminal	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≦ 45
Heat dissipation		W	<1
Measuring modes			
Temperature coefficient			300 ppm/°C of full scale
Number of parameter bits			4 bytes (2 bytes per channel)
Base modules			
without C connection, for sensor feeding			4-wire XN-S4x-SBBS
Interfaces			
Rated voltage through supply terminal	U_L		24 V DC
Rated current consumption from supply terminal	IL	mA	30
Rated current consumption from module bus	I _{MB}	mA	≦ 45
Number of parameter bytes			4 bytes (2 bytes per channel)
Base modules			
without C connection, for sensor feeding			4-wire XN-S4x-SBBS

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	A	0
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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	1
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 8.0		
Programmable logic controllers PLC (EG000024) / Fieldbus, decentr. periphery - an	alogue I/O module (E0	C001596)
Electric engineering, automation, process control engineering / Control / Field bus (ecl@ss10.0.1-27-24-26-01 [BAA061014])		
Supply voltage AC 50 Hz	٧	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	20.4 - 28.8
Voltage type of supply voltage		DC
Input, current		No
Input, voltage		No
Input, resistor		Yes
Input, resistance thermometer		Yes
Input, thermocouple		No
Input signal, configurable		Yes
Resolution of the analogue inputs	Bit	16
Output, current		No
Output, voltage		No
Output signal configurable		No
Resolution of the analogue outputs	Bit	0
Number of analogue inputs		2
Number of analogue outputs		0
Analogue inputs configurable		Yes
Analogue outputs configurable		Yes
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
Supporting protocol for TCP/IP		No
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		No
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 PROFINET IO		No

Supporting protacel for PROFINE CBA Na Supporting protacel for Endedidus Na Supporting protacel for Endedidus Na Supporting protacel for Endedidus Fieldidus Na Supporting protacel for Endedidus Fieldidus Na Supporting protacel for PROFINE Safety Na Supporting protacel for PROFINE Safety Na Supporting protacel for INTERBUS Safety Na Supporting protacel for PROFINE Safety Na Supporting protacel for PROFINE Safety Na Supporting protacel for ENDE Safety Supporting Safety Supporting Safety Supporting Protacel for ENDE Safety Supporting Sa			
Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherAberP No Supporting protocol for PoliviceNeta Safety Work No Supporting protocol for PoliviceNeta Safety No Supporting protocol for PROFISA No Supporting protocol for other bus systems Yes Radio standard Blustooth No Radio standard WF-F 802.11 No Radio standard WF-F 802.14 No Radio standard WF-F 802.15 No Radio standard WMTS No Roll os tandard WMTS No Disperse of protection (IP) Yes Page en of protection (IP) Yes Radio standard word over saperate bus couplor possible Yes Rall mounting passible Yes Rall mounting passible Yes Wall mounting/direct mounting No Front bull in passible No Suc-a-assembly possible No Suc-a-a	Supporting protocol for PROFINET CBA		No
Supporting protocol for Enemetal Plant (Control Plant Flant Safety at Work) No Supporting protocol for DeviceNet Safety at Work No Supporting protocol for DeviceNet Safety No Supporting protocol for PROFILSASE No Supporting protocol for PROFILSASE No Supporting protocol for StafetyBUS p No Supporting protocol for StafetyBUS p No Radio standard Wh-Fi R021 1 No Radio standard Wh-Fi R021 1 No Radio standard GMR No Radio standard GMR No Radio standard GMR No Radio standard GMR No System accessory No Degree of protection (IPP) Po Poge of electric connection Po Fieldbus connection over separate bus coupler possible No Rail mounting possible No Soll mounting possible No Soll according to Existed No Rack-assembly	Supporting protocol for SERCOS		No
Supporting protocol for AS-Interface Safety at Work Image: I	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for DeviceNet Safety 6 80 Supporting protocol for INTERBUS-Safety 6 80 Supporting protocol for PROFIsafe 80 80 Supporting protocol for SafetyBUS p 90 80 Supporting protocol for Grebr bus systems 90 100 Radio standard Bilueboth 80 80 Radio standard GPRS 90 80 Radio standard GRM 90 90 Palmoster 90 90 System accessory 90 90 System accessory 90 90 Specific connection (P) 90 90 Specific connection over separate bus coupler possible 90 90 Rail mounting possible 90 90 Rail mounting possible 90 90	Supporting protocol for EtherNet/IP		No
Supporting protocol for INTERBUS Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No Supporting protocol for SafetyBUS p No Supporting protocol for SafetyBUS p No Radio standard Bluetooth No Radio standard Bluetooth No Radio standard GPRS No Radio standard GSM No Radio standard GMTS No Radio standard UMTS No Islink master No System accessory Yes Degree of protection (IVEMA) 1 Type of electric connection (NEMA) System scenesory Selectific connection ever separate bus coupler possible Yes Rail mounting (direct mounting Yes Rail mounting (direct mounting No Front bull-in possible No Rail mounting (direct mounting No Rail mounting (direct mounting No Forth bull-in possible No Rail mounting (direct mounting No Rail mounting (direct mounting No	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for SAFelyBUS p No Supporting protocol for SAFelyBUS p Yes Supporting protocol for Other bus systems Yes Radio standard BUFF 802.11 No Radio standard WFF 802.11 No Radio standard GFRS No Radio standard GFMS No Radio standard UMTS No 10 Ink master No System accessory Per Security Degree of protection (NEMA) 1 Type of electric connection Per Security-spring clamp connection Fieldbus connection over separate bus coupler possible Yes Wall mounting possible Yes Wall mounting direct mounting Yes Rack-assembly possible No Wall mounting officet mounting Yes Rack-assembly possible No Wall mounting officet mounting Yes State of setter functions Yes State accessing to possible No Rack-assembly possible No State action to setter functions Yes State accessing to End Stose <	Supporting protocol for DeviceNet Safety		No
Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems 10 yes Radio standard Bluetooth 10 yes No Radio standard WHF 1802.11 10 No No Radio standard GPRS 0 No No Radio standard GMT 10 No No Radio standard UMTS 10 No No 10 link master 10 No No System accessory 10 No No Degree of protection (NEMA) 10 Po 10 Type of electric connection 10 Yes 10 Radio mounting possible 10 No Yes Radio-assenbly possible 10 No No Suitable for safety functions 10 No No Stream-standy possible 10 No No Suitable for safety functions 10 No No Stream-standy porting to EN ISO 13849-1 No No Appendant operation	Supporting protocol for INTERBUS-Safety		No
Supporting protocol for other bus systems Fee Yes Radio standard Bluetooth No No Radio standard GPRS No No Radio standard GPRS No No Radio standard GMTS No No I Dink mastar No No System accessory Pee Yes Degree of protection (IP) IP20 Degree of protection (NEMA) 1 Yes Type of electric connection Yes Yes Rail mounting possible Yes Yes Rail mounting forest mounting Yes Yes Rail mounting forest mounting Yes No Yell mounting forest mounting Yes No Suitable for safety functions Yes No Suitable for safety function gent (Ex ia) No No Appendant operation agent (Ex ia) Yes	Supporting protocol for PROFIsafe		No
Radio standard Bluetooth No Radio standard Wi-Fi 802.11 No Radio standard GPRS No Radio standard GSM No Radio standard UMTS No 10 link master No System accessory Yes Degree of protection (IP) P20 Degree of protection (IPSMA) 1 Type of electric connection Yes Rail mounting possible Yes Rail mounting possible No Rail mounting possible No Rack-assembly possible No Suitable for safety functions No State-assembly possible No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No	Supporting protocol for SafetyBUS p		No
Radio standard GPRS No Radio standard GSM No Radio standard GSM No Radio standard UMTS No 10 link master No System accessory Pos Degree of protection (IP) P20 Degree of protection (NEMA) 1 Type of electric connection Screw-/spring clamp connection Fieldbus connection over separate bus coupler possible Screw-/spring clamp connection Rail mounting jossible Yes Wall mounting/direct mounting No Front built- in passible No Rack-assembly possible No Suitable for safety functions No Still according to IEC 61508 No Performance level according to EN ISO 13849-1 None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for dust None Width None Explosion safety category for dust None Width None Lipid to Safety Category for dust None	Supporting protocol for other bus systems		Yes
Radio standard GPRS No Radio standard GSM No Radio standard UMTS No 10 link master No System accessory Pes Degree of protection (IP) Pes Degree of protection (NEMA) 1 Type of electric connection Screw/spring clamp connection Relidbus connection over separate bus coupler possible Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Rack-assembly possible No Suitable for safety functions No Silt according to IEC 61508 No Performance level according to EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ic) No Explosion safety category for gas No Explosion safety category for dust No Width No Height No	Radio standard Bluetooth		No
Radio standard GSM No Radio standard UMTS No 10 link master No System accessory Yes Degree of protection (IP) P20 Degree of protection (NEMA) 1 Type of electric connection Screw-/spring clamp connection Fieldbus connection over separate bus couplar 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 No Performance level according to EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for dust No Width No Width No Mind No Explosion safety category for dust No Width No No No No No No	Radio standard Wi-Fi 802.11		No
Radio standard UMTS No 10 link master No System accessory Yes Degree of protection (IP) IP20 Degree of protection (NEMA) IP20 Type of electric connection Screw-/spring clamp connection Fieldbus connection over separate bus coupler possible Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Front built-in possible No Rack-assembly possible No Suitable for safety functions No SIL according to IEC 61508 No Performance level according to EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for dust None Writth None Explosion safety category for dust None Writth None Explosion safety category for dust None Writth None In the connection of the local condition of the local condition of	Radio standard GPRS		No
IO link master No System accessory Yes Degree of protection (IP) IP20 Degree of protection (NEMA) IP20 Type of electric connection Screw-/spring clamp connection 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 No Performance level according to EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for dust None Writh None Writh None Explosion safety category for dust None Writh None Explosion safety category for dust None Writh None The principle of the New York None	Radio standard GSM		No
System accessory Degree of protection (IP) Degree of protection (NEMA) Type of electric connection Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front built-in possible Rack-assembly possible Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ia	Radio standard UMTS		No
Degree of protection (IP) Degree of protection (NEMA) Type of electric connection Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front built-in possible Rack-assembly possible Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust Width Height Height I 1 1 1 1 1 1 1 1 1 1 1 1 1	IO link master		No
Degree of protection (NEMA) Type of electric connection Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front built-in possible No Rack-assembly possible Noi Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust Width Height Minume 1 1 1 1 1 1 1 1 1 1 1 1 1	System accessory		Yes
Type of electric connection Fieldbus connection over separate bus coupler possible Fieldbus connection over separate bus coupler possible Final mounting possible Wall mounting/direct mounting Front built-in possible Rack-assembly possible Rack-assembly possible Rock-assembly	Degree of protection (IP)		IP20
Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front built-in possible Rack-assembly possible Rack-assembly possible Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height Wes No No No No No No No No No N	Degree of protection (NEMA)		1
Rail mounting possible Wall mounting/direct mounting Front built-in possible Rack-assembly possible No Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height Yes No No No No No No No No No N	Type of electric connection		Screw-/spring clamp connection
Wall mounting/direct mounting Front built-in possible Rack-assembly possible No Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height No	Fieldbus connection over separate bus coupler possible		Yes
Front built-in possible Rack-assembly possible No Suitable for safety functions No SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas None Explosion safety category for dust Width Meight No No None None None None None None Width Mmm 12.6 Mmm 74.1	Rail mounting possible		Yes
Rack-assembly possible Suitable for safety functions No SIL according to IEC 61508 None Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) No Explosion safety category for gas Explosion safety category for dust Width Midth Mi	Wall mounting/direct mounting		No
Suitable for safety functions SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height No No No No No No No No No N	Front built-in possible		No
SIL according to IEC 61508 Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width mm 12.6 Height None	Rack-assembly possible		No
Performance level according to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width mm 12.6 Height None	Suitable for safety functions		No
Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Midth M	SIL according to IEC 61508		None
Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width mm 12.6 Height No None	Performance level according to EN ISO 13849-1		None
Explosion safety category for gas Explosion safety category for dust Width Height None None None None None 74.1	Appendant operation agent (Ex ia)		No
Explosion safety category for dust Width mm 12.6 Height 74.1	Appendant operation agent (Ex ib)		No
Width mm 12.6 Height 74.1	Explosion safety category for gas		None
Height 74.1	Explosion safety category for dust		None
	Width	mm	12.6
Depth mm 55.4	Height	mm	74.1
	Depth	mm	55.4

Approvals

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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
Degree of Protection	IEC: IP20, UL/CSA Type: -

Dimensions

Dimensions

Additional product information (links)

Manual XI/ON analog I/O modules MN05002011Z

Handbuch XI/ON analoge E/A-Module MN05002011Z - Deutsch $https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05002011Z_DE.pdf$

Manual XI/ON analog I/O modules MN05002011Z - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05002011Z_EN.pdf
Technical Data	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=14.111