Serial interface module XI/ON, RS232

Part no. XN-1RS232 140151

EL Number 4520687

(Norway)



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General specifications	
Product name	Eaton XN Communication module
Part no.	XN-1RS232
EAN	7640130120075
Product Length/Depth	55.4 millimetre
Product height	74.1 millimetre
Product width	12.6 millimetre
Product weight	0.031 kilogram
Certifications	UL Recognized IEC/EN 61131-2 CSA Class No.: 2252-01, 2252-81 IEC/EN 61000-6-4 CULus IEC/EN 6113-2 UL Category Control No.: NRAQ, NRAQ7 CSA-C22.2 No. 142 IEC/EN 61000-6-2 UL report applies to both US and Canada Certified by UL for use in Canada CE UL 508 UL File No.: E205091
Product Tradename	XN
Product Type	Communication module
Product Sub Type	None
Catalog Notes	-7 - 12
Features & Functions	
Features	Fieldbus connection over separate bus coupler possible
Fitted with:	Potential separation
General information	
Cable length	15 m, RS232 Interface
Channels	RxD, TxD, RTS, CTS
Current consumption	0 mA, from supply terminal 140 mA, from module bus, Analog input modules
Degree of protection	IP20
Insulation resistance	500 V, Control/main circuit 500 V, Control/main circuit enclosure
Mounting method	Rail mounting possible
Suitable for	Base modules without C-Connection, for sensor feeding: 4-wire
Туре	RS232, Interface XI/ON technology module
Used with	XN-S4T-SBBS XN-S4S-SBBS
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)

5 - 95 % (indoor, Level RH-2, non-condensing for storage at 45°C)
According to EN 01100 4.0
According to EN 61100-4-2
According to IEC/EN 61000-4-4
According to EN 61100-4-2
According to IEC EN 61100-4-2
230 - 1000 MHz (radiated, high frequency, according to EN 55016-2-3) 30 - 230 MHz (radiated, high frequency, according to EN 55016-2-3)
IEC/EN 61100-4-6
According to IEC/EN 61000-4-5 Level 4
According to EN 61131-2 (Voltage fluctuations/voltage dips)
Normally 1 W
24 V DC (supply terminal)
0 V
0 V
18 V
30 V
Selectable up to 115200 Bit/s 64 Byte, Data buffer, Transmit Max. 115200 bit/s (parameterizable), default setting: 9600 Bit/s, 7 data bits, odd parity, 2 stop bits 128 Byte, Data buffer, Reception
Full-duplex RS232 interface
4 parameter bytes 1 diagnostic byte
Other bus systems
None
None
Through optocoupler: yes
0 W
0 W
0 W
0 A
1 W
Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.
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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					
Programmable logic controllers PLC (EG000024) / Fieldbus, decentr. periphery - communication module (EC001604)					
Electric engineering, automation, process control engineering / Control, Process Control System (PCS) / Field bus, decentralized peripheral / Field bus, decentralized peripheral - communications module (ecl@ss13-27-24-26-08 [BAA073018])					
Supply voltage AC 50 Hz	V	0 - 0			
Supply voltage AC 60 Hz	V	0 - 0			
Supply voltage DC	V	18 - 30			
Voltage type (supply voltage)		DC			
Number of HW-interfaces CAN					
Number of HW-interfaces industrial Ethernet					
Number of interfaces PROFINET					
Number of HW-interfaces RS-232					
Number of HW-interfaces RS-422					
Number of HW-interfaces RS-485					
Number of HW-interfaces serial TTY					
Number of HW-interfaces USB					
Number of HW-interfaces parallel					
Number of HW-interfaces wireless					
Number of HW-interfaces other					
Supporting protocol for EtherCAT		No			
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 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		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			

10 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	12.6
Height	mm	74.1
Depth	mm	55.4