



Part no. XN-S3T-SBB
140077
EL Number 4520611
(Norway)

General specifications		
Product name		Eaton XN Rack
Part no.		XN-S3T-SBB
EAN		7640130121157
Product Length/Depth		117.6 millimetre
Product height		49.9 millimetre
Product width		12.6 millimetre
Product weight		0.031 kilogram
Certifications		Rated data for terminations according to IEC/EN 60947-7-1 IEC/EN 61131-2 IEC/EN 6113-2 CSA Class No.: 2252-01, 2252-81 UL Recognized UL Category Control No.: NRAQ, NRAQ7 UL 508 CE UL File No.: E205091 IEC/EN 61000-6-2 CE, cUL IEC/EN 61000-6-4 UL report applies to both US and Canada CSA-C22.2 No. 142 Certified by UL for use in Canada
Product Tradename		XN
Product Type		Rack
Product Sub Type		None
Features & Functions		
Fitted with:		Pluggable modules, digital I/O Pluggable modules, analog I/O Power supply Pluggable modules, central modules
General information		
Degree of protection		IP20
Mounting method		Rail mounting possible
Number of connection levels		3
Type		XI/ON slice card base module
Used with		XN-2AO-U (-10 - 10 V DC) XN-2DI-24VDC-N XN-2AI-I(0 - 20 mA) XN-1AI-I(0 - 20 mA) XN-2AI-U (-10 - 10 V DC) XN-2AO-I(0 - 20 mA) XN-2DI-120/230VAC XN-1AI-U (-10 - 10 V DC) XN-1AO-I(0 - 20 mA) XN-2DI-24VDC-P XN-2AI-PT/NI-2/3
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
Environmental conditions		Harmful gasses - SO2: 10 ppm (relative humidity < 75%, no condensation) Harmful gasses - H2S: 1 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		Air/contact discharge according to IEC/EN 61000-4-2
Burst impulse		According to IEC/EN 61000-4-4
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
Voltage dips		According to EN 61131-2 (Voltage fluctuations/voltage dips)
Terminal capacities		
Terminal capacity		0.5 - 1.5 mm ² , with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) 0.5 - 1.5 mm ² , flexible without ferrule, H07V-K 0.5 - 2.5 mm ² , solid, H07V-U 0.5 - 1.5 mm ² , with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)
Gauge pin		A1 (according to IEC/EN 60947-1)
Stripping length (main cable)		8 mm
Communication		
Connection type		Spring-loaded/screw terminal, Connection design in TOP direction
Number of slots		1
Input/Output		
Input current at AC - max		0 A
Input voltage at AC 50 Hz - min		0 V
Input voltage at AC 50 Hz - max		0 V
Input voltage at DC - min		0 V
Input voltage at DC - max		0 V
Output current at AC, 50 Hz - max		0 A
Output voltage at AC 50 Hz - max		0 V
Output voltage at DC - min		0 V
Output voltage at DC - max		0 V
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 P _{vid}		0 W
Heat dissipation capacity P _{diss}		0 W
Heat dissipation per pole, current-dependent P _{vid}		0 W
Rated operational current for specified heat dissipation (I _n)		0 A
Static heat dissipation, non-current-dependent P _{vs}		0 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

Programmable logic controllers PLC (EG000024) / Fieldbus, decentr. periphery - mounting frame (EC001598)

Electric engineering, automation, process control engineering / Control, Process Control System (PCS) / Field bus, decentralized peripheral / Field bus, decentralized peripheral - module carrier (ecI@ss13-27-24-26-03 [BAA064018])

With integrated power supply			Yes
Input voltage AC 50 Hz		V	0 - 0
Input voltage AC 60 Hz		V	0 - 0
Input voltage DC		V	0 - 0
Type of voltage (input voltage)			DC
Max. input current AC 50 Hz		A	0
Max. input current AC 60 Hz		A	0
Max. input current DC		A	0
Output voltage AC 50 Hz		V	0 - 0
Output voltage AC 60 Hz		V	0 - 0
Output voltage DC		V	0 - 0
Type of output voltage			DC
Max. output current AC 50 Hz		A	0
Max. output current AC 60 Hz		A	0
Max. output current DC		A	0
System accessory			Yes
Number of slots			1
With pluggable modules, digital I/O			Yes
With pluggable modules, analogue I/O			Yes
With pluggable modules, communication modules			No
With pluggable modules, function and technology modules			No
With pluggable modules, central modules			Yes
With pluggable modules, others			No
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
Width		mm	12.6
Height		mm	49.9
Depth		mm	117.6