

Base module washer XI/ON, tension spring, 4 connection levels



**Part no.** XN-S4T-SBBS  
**140081**  
**EL Number** 4520616  
**(Norway)**

General specifications	
Product name	Eaton XN Rack
Part no.	XN-S4T-SBBS
EAN	7640130121225
Product Length/Depth	128.9 millimetre
Product height	49.9 millimetre
Product width	12.6 millimetre
Product weight	0.038 kilogram
Certifications	CSA Class No.: 2252-01, 2252-81 Certified by UL for use in Canada IEC/EN 61000-6-2 UL Category Control No.: NRAQ, NRAQ7 Rated data for terminations according to IEC/EN 60947-7-1 UL File No.: E205091 UL report applies to both US and Canada IEC/EN 6113-2 CSA-C22.2 No. 142 CE, cUL IEC/EN 61000-6-4 IEC/EN 61131-2 UL Recognized UL 508 CE
Product Tradename	XN
Product Type	Rack
Product Sub Type	None
Features & Functions	
Fitted with:	Pluggable modules, analog I/O Pluggable modules, others Power supply Pluggable modules, central modules Pluggable modules, digital I/O Pluggable modules, communication modules Pluggable modules, function and technology modules
General information	
Degree of protection	IP20
Mounting method	Rail mounting possible
Number of connection levels	4
Type	XI/ON slice card base module
Used with	XN-2AI-U (-10 - 10 V DC) XN-2DO-R-CO XN-1RS485/422 XN-2DO-R-NC XN-2DO-R-NO XN-2AI-PT/NI-2/3 XN-1AI-I(0 - 20 mA) XN-1SSI XN-2AI-I(0 - 20 mA) XN-1AI-U (-10 - 10 V DC) XN-4DI-24VDC-P XN-1CNT-24VDC XN-1RS232 XN-4DI-24VDC-N
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	Continuous according to IEC/EN 60068-2-29 Mechanical, According to IEC/EN 60068-2-27
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 - SO <sub>2</sub> : 10 ppm (relative humidity < 75%, no condensation) Harmful gasses - H <sub>2</sub> S: 1 ppm (relative humidity < 75%, no condensation)
Relative humidity		5 - 95 % (indoor, Level RH-2, non-condensing for storage at 45°C)
<b>Electro magnetic compatibility</b>		
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)
<b>Terminal capacities</b>		
Terminal capacity		0.5 - 2.5 mm <sup>2</sup> , solid, H07V-U 0.5 - 1.5 mm <sup>2</sup> , with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) 0.5 - 1.5 mm <sup>2</sup> , flexible without ferrule, H07V-K 0.5 - 1.5 mm <sup>2</sup> , 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
<b>Communication</b>		
Connection type		Spring-loaded/screw terminal, Connection design in TOP direction
Number of slots		1
<b>Input/Output</b>		
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
<b>Safety</b>		
Explosion safety category for dust		None
Explosion safety category for gas		None
Potential isolation		Through optocoupler: yes
<b>Design verification</b>		
Equipment heat dissipation, current-dependent P <sub>vid</sub>		0 W
Heat dissipation capacity P <sub>diss</sub>		0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>		0 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )		0 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>		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 (ecl@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		Yes
With pluggable modules, function and technology modules		Yes
With pluggable modules, central modules		Yes
With pluggable modules, others		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
Width	mm	12.6
Height	mm	49.9
Depth	mm	128.9