Base module washer XI/ON, screw, 6 connection levels



Part no. XN-S6S-SBBSBB 140093

General specifications	
Product name	Eaton XN Rack
Part no.	XN-S6S-SBBSBB
EAN	7640130121256
Product Length/Depth	154.5 millimetre
Product height	49.9 millimetre
Product width	12.6 millimetre
Product weight	0.067 kilogram
Certifications	UL Recognized CSA Class No.: 2252-01, 2252-81 UL 508 CE IEC/EN 61131-2 IEC/EN 61000-6-4 UL File No.: E205091 Certified by UL for use in Canada IEC/EN 6113-2 CSA-C22.2 No. 142 IEC/EN 61000-6-2 UL report applies to both US and Canada UL Category Control No.: NRAQ, NRAQ7 Rated data for terminations according to IEC/EN 60947-7-1 CE, cUL
Product Tradename	XN
Product Type	Rack
Product Sub Type	None
Features & Functions	
Fitted with:	Pluggable modules, digital I/O Pluggable modules, central modules Power supply
General information	
Degree of protection	IP20
Mounting method	Rail mounting possible
Number of connection levels	6
Туре	XI/ON slice card base module
Used with	XN-4DI-24VDC-N XN-4DI-24VDC-P
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 mm², with ferrules with plastic collar according to DIN 46228-1 (ferrules
ionima capasily	crimped gas-tight) 0.5 - 1.5 mm², with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) 0.5 - 2.5 mm², solid, H07V-U 0.5 - 1.5 mm², flexible without ferrule, H07V-K
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	
• •	0.4
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 Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 A
Static heat dissipation, non-current-dependent Pvs	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.
	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	is the panel bulluer s responsibility.

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 0 - 0 Imput voltage A C60 Hz V 0 - 0 Input voltage A C60 Hz V 0 - 0 Type of voltage (Input voltage) V 0 - 0 Max. Input current A C60 Hz A 0 Max. Input current A C60 Hz A 0 Max. Input current A C60 Hz A 0 Output voltage A C60 Hz A 0 Max. cutput current A C60 Hz A 0	(ecl@ss13-27-24-26-03 [BAA064018])			
Input voitage AC 60 Hz	With integrated power supply			Yes
Input voltage OC V 0 Type of voltage finaut voltage (not. voltage finaut voltage) C Max. input current AC 50 Hz A 0 Max. input current DC A 0 Output voltage AC 50 Hz V 0 0 Output voltage AC 50 Hz V 0 0 Output voltage AC 50 Hz V 0 0 Type of output voltage V 0 0 Max. output current AC 50 Hz A 0 0 Max. output current AC 50 Hz A 0 0 Max. output current AC 50 Hz A 0 0 Max. output current AC 50 Hz A 0 0 Max. output current AC 50 Hz A 0 0 Number of stots B 4 0 0 With pluggable modules, dipital VO Y No 0 With pluggable modules, communication modules Y No No With pluggable modules, central modules Y Y No Wall plug	Input voltage AC 50 Hz	V	1	0 - 0
Type of voltage (input voltage) DC Max. input current AC 50 ltz A 0 Max. input current AC 60 ltz A 0 Max. input current AC 60 ltz A 0 Output voltage AC 50 ltz V 0 0 Output voltage AC 60 ltz V 0 0 Output voltage AC 60 ltz V 0 0 Max. output current AC 60 ltz A 0 0 Max. output current AC 60 ltz A 0 0 Max. output current AC 60 ltz A 0 0 Max. output current AC 60 ltz A 0 0 Max. output current AC 60 ltz A 0 0 Max. output current AC 60 ltz A 0 0 Max. output current AC 60 ltz A 0 0 Mix output current AC 60 ltz A 0 0 Mix output current AC 60 ltz A 0 0 With pluggable modules, diejfall (10 With pluggable modules, diejfall (10 N N 0 N<	Input voltage AC 60 Hz	V	/	0 - 0
Max. input current AC 50 Hz A 0 Max. input current AC 60 Hz A 0 Max. input current AC 50 Hz V 0 Output voltage AC 50 Hz V 0 Output voltage AC 50 Hz V 0 Output voltage DC V 0 Type of cuptus voltage A 0 Max. output current AC 50 Hz A 0 Mumber of sick security Y Yes With pluggable modules, digital I/O Yes No With pluggable modules, communication modules Yes Yes With pluggable modules, communication modules Yes </td <td>Input voltage DC</td> <td>V</td> <td>1</td> <td>0 - 0</td>	Input voltage DC	V	1	0 - 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 50 Hz V 0 - 0 Output voltage AC 50 Hz V 0 - 0 Max. output current AC 50 Hz DC Max. output current AC 50 Hz A 0 With pluggable modules, digital I/O A 0 With pluggable modules, digital I/O N N With pluggable modules, communication modules Yes N With pluggable modules, communication modules Yes N With pluggable modules, communication modul	Type of voltage (input voltage)			DC
Max. input current DC A D Output voltage AC 50 Hz V 0 - 0 Output voltage AC 60 Hz V 0 - 0 Output voltage AC 60 Hz V 0 - 0 Output voltage DC V 0 - 0 Max. output current AC 50 Hz A 0 Max. output current AC 60 Hz A 0 Max. output current AC 60 Hz A 0 System accessory A 0 Number of sicts 1 1 With pluggable modules, digital I/O Y No With pluggable modules, analogue I/O Y No With pluggable modules, function and technology modules Y No With pluggable modules, function and technology modules Y No With pluggable modules, central modules Y No </td <td>Max. input current AC 50 Hz</td> <td>Α</td> <td>4</td> <td>0</td>	Max. input current AC 50 Hz	Α	4	0
Output voltage AC 50 Hz V 0 - 0 Output voltage AC 60 Hz V 0 - 0 Type of output voltage DC V 0 - 0 Type of output voltage DC V 0 - 0 Wax. output current AC 50 Hz A 0 Max. output current AC 50 Hz A 0 Mex. output current AC 50 Hz A 0 Misser of sicts B 0 Number of sicts 1 1 With pluggable modules, digital VO 8 0 With pluggable modules, analogue VO No No With pluggable modules, current modules No No With pluggable modules, current modules Yes No With pluggable modules, current modules Yes No With pluggable modules, current modules Yes No With pluggable modules, current modules No No With plug	Max. input current AC 60 Hz	Α	4	0
Output voltage AC 60 Hz V 0 - 0 Output voltage DC V 0 - 0 Type of output voltage DC DC Max. output current AC 50 Hz A 0 Max. output current AC 60 Hz A 0 Max. output current DC A 0 Number of slots Yes Yes With pluggable modules, digital I/O Yes No With pluggable modules, communication modules Yes No Wall mounting/direct mounting Yes No Rail mounting possible Yes No Suitable for safety functions Yes No Stitz according to EC 51508	Max. input current DC	А	4	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 AC 50 Hz A 0 Number of slots Yes Yes Number of slots Yes No With plugable modules, digital I/O Yes No With plugable modules, communication modules Yes No With plugable modules, cunction and technology modules Yes Yes With plugable modules, central modules Yes Yes Wall mounting direct mounting Yes Yes Wall mounting direct mounting Yes No Suitable for safety functions Yes No Suitable for safety functions Yes No State action in the Citistos Yes No Performance level accord	Output voltage AC 50 Hz	V	1	0 - 0
Type of output current AC 50 Hz A 0 Max. output current AC 50 Hz A 0 Max. output current AC 60 Hz A 0 Max. output current DC A 0 System accessory Per Yes Number of slots 1 Yes With plugable modules, digital I/O Per No With plugable modules, analogue I/O No No With plugable modules, function and technology modules Per No With plugable modules, central modules Pes No With plugable modules, function and technology modules Pes No Wall mounting possible Pes No Raci mounting possible Pes No Suitable for safety functions Per No Suitable for safety functions Per<	Output voltage AC 60 Hz	V	1	0 - 0
Max. output current AC 50 Hz A 0 Max. output current AC 60 Hz A 0 Max. output current DC A 0 System accessory Per Yes Number of slots Yes Yes With plugable modules, digital I/O Yes No With plugable modules, communication modules No No With plugable modules, communication and technology modules Yes No With plugable modules, central modules Yes No Wall mounting possible Yes No Rail mounting possible No No Rack-assembly possible No No Suitable for safety functions Yes No Strateging in IEC 61508 No No Performance level according to EN ISO 13849-1 Yes No Appendant operation agent (Ex ia) No <t< td=""><td>Output voltage DC</td><td>V</td><td>1</td><td>0 - 0</td></t<>	Output voltage DC	V	1	0 - 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, communication modules No With pluggable modules, communication modules No With pluggable modules, central modules Yes With pluggable modules, cen	Type of output voltage			DC
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 No With pluggable modules, communication modules No With pluggable modules, communication modules Yes With pluggable modules, communication modules No With pluggable modules, communication modules Yes With pluggable modules, contral modules Yes With pluggable modules, contral modules Yes With pluggable modules, contral modules No With pluggable modules, contral modules No With pluggable modules, contral modules No Rack assembly possible No Wall mounting/direct mounting No Suitable for safety functions No Suitable for safety functions No Suitable for safety functions No	Max. output current AC 50 Hz	А	4	0
System accessory Yes Number of slots 1 With pluggable modules, digital I/O Yes With pluggable modules, analogue I/O No With pluggable modules, communication modules No With pluggable modules, function and technology modules No With pluggable modules, central modules Yes With pluggable modules, central modules Yes With pluggable modules, others No Rail mounting forect mounting No Wall mounting/direct mounting No Vall mounting/direct mounting No Rack-assembly possible No Suitable for safety functions No	Max. output current AC 60 Hz	А	4	0
Number of slots 1 With plugable modules, digital I/O Yes With plugable modules, analogue I/O No With plugable modules, communication modules No With plugable modules, function and technology modules No With plugable modules, central modules Yes With plugable 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 Withth mm 12.6 Height mm 49.9	Max. output current DC	Α	4	0
With plugable modules, digital I/O Yes With plugable modules, analogue I/O No With plugable modules, communication modules No With plugable modules, function and technology modules No With plugable modules, central modules Yes With plugable 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 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 Explosion safety category for dust Mn None Width Mn None Explosion safety category for dust Mn None Width Mn	System accessory			Yes
With pluggable modules, analogue I/O No With pluggable modules, communication modules No With pluggable modules, function and technology modules Yes 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 No 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 None Width None Explosion safety category for dust None Width None Width None Rack - sasembly possible None None None Appendant operation agent (Ex ia) None	Number of slots			1
With plugable modules, communication modules With plugable modules, function and technology modules With plugable modules, central modules No No No With plugable modules, central modules No No With plugable modules, central modules No No No No Rack-assembly possible No None Performance level according to EN ISO 1849-1 None Appendant operation agent (Ex ia) Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) No Explosion safety category for gas Explosion safety category for dust Width Midth Mi	With pluggable modules, digital I/O			Yes
With pluggable modules, function and technology modules With pluggable modules, central modules With pluggable modules, others With pluggable modules, others With pluggable modules, others No Rail mounting possible Wall mounting/direct mounting Front built-in possible No 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 Explosion safety category for dust Width Height Mo Man	With pluggable modules, analogue I/O			No
With pluggable modules, central modules With pluggable modules, others No Rail mounting possible Wall mounting/direct mounting Front built-in possible No 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 Explosion safety category for dust Width Height Height Was No No None None None None None None Non	With pluggable modules, communication modules			No
With pluggable modules, others 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 ia) Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height Mo No No None None None None None Hone Height	With pluggable modules, function and technology modules			No
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 Yes No No No No No No No No No N	With pluggable modules, central modules			Yes
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 dust Width Height No Mo No	With pluggable modules, others			No
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 Height No No No No None None None None None None	Rail mounting possible			Yes
Rack-assembly possible 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 Midth M	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 None	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 Mone Width Mone 12.6 Height	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 None None None 49.9	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 Mone Width Mone 12.6 Height Mo 49.9	SIL according to IEC 61508			None
Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Mmm 12.6 Height Mone	Performance level according to EN ISO 13849-1			None
Explosion safety category for gas Explosion safety category for dust Width Height None 12.6 Meight	Appendant operation agent (Ex ia)			No
Explosion safety category for dust Width mm 12.6 Height Mone 49.9	Appendant operation agent (Ex ib)			No
Width mm 12.6 Height 49.9	Explosion safety category for gas			None
Height mm 49.9	Explosion safety category for dust			None
	Width	m	nm	12.6
Depth mm 154.5	Height	m	nm	49.9
	Depth	m	nm	154.5