DATASHEET - XN-S6S-SBCSBC

Base module washer XI/ON, screw, 6 connection levels, con. to C rail

Part no. **XN-S6S-SBCSBC**
140094

General specifications

Product name		Eaton XN Rack
Part no.		XN-S6S-SBCSBC
EAN		7640130121263
Product Length/Depth		154.5 millimetre
Product height		49.9 millimetre
Product width		12.6 millimetre
Product weight		0.067 kilogram
Certifications		CE, cUL IEC/EN 61000-6-4 UL Category Control No.: NRAQ, NRAQ7 Certified by UL for use in Canada UL 508 UL report applies to both US and Canada Rated data for terminations according to IEC/EN 60947-7-1 CSA-C22.2 No. 142 UL Recognized CE IEC/EN 6113-2 IEC/EN 61131-2 IEC/EN 61000-6-2 UL File No.: E205091 CSA Class No.: 2252-01, 2252-81
Product Tradename		XN
Product Type		Rack
Product Sub Type		None

Features & Functions

Fitted with:		Power supply Pluggable modules, analog I/O Pluggable modules, digital I/O Pluggable modules, central modules

General information

Degree of protection		IP20
Mounting method		Rail mounting possible
Number of connection levels		6
Type		XI/ON slice card base module
Used with		XN-4DO-24VDC-0.5A-P XN-4AI-U/I
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 - 2.5 mm², solid, H07V-U 0.5 - 1.5 mm², with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) 0.5 - 1.5 mm², with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) 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			Connection to C rail
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 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.
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		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	154.5