Base module washer XI/ON, tension spring, 3 connection levels, con. to ${\bf C}$ rail



Part no. XN-S3T-SBC

140079

EL Number

4520619

| (N | or | W | ay |
|----|----|---|----|
|----|----|---|----|

| (NOTWAY) | |
|-------------------------------------|--|
| General specifications | |
| Product name | Eaton XN Rack |
| Part no. | XN-S3T-SBC |
| EAN | 7640130121164 |
| Product Length/Depth | 117.6 millimetre |
| Product height | 49.9 millimetre |
| Product width | 12.6 millimetre |
| Product weight | 0.031 kilogram |
| Certifications | Certified by UL for use in Canada IEC/EN 61131-2 CSA Class No.: 2252-01, 2252-81 Rated data for terminations according to IEC/EN 60947-7-1 CSA-C22.2 No. 142 UL Recognized UL report applies to both US and Canada IEC/EN 61000-6-4 UL 508 IEC/EN 6113-2 CE UL Category Control No.: NRAQ, NRAQ7 CE, cUL UL File No.: E205091 IEC/EN 61000-6-2 |
| Product Tradename | XN |
| Product Type | Rack |
| Product Sub Type | None |
| Features & Functions | |
| Fitted with: | Pluggable modules, digital I/O Power supply Pluggable modules, central modules |
| General information | |
| Degree of protection | IP20 |
| Mounting method | Rail mounting possible |
| Number of connection levels | 3 |
| Туре | XI/ON slice card base module |
| Used with | XN-2D0-120/230VAC-0.5A XN-2D0-24VDC-0.5A-P XN-2D0-24VDC-2A-P XN-2D0-24VDC-0.5A-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 | 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 - H2S: 1 ppm (relative humidity < 75%, no condensation) Harmful gasses - S02: 10 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 without plastic collar according to DIN 46228-1 (ferrule crimped gas-tight) 0.5 - 1.5 mm², flexible without ferrule, H07V-K 0.5 - 1.5 mm², 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 | 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. |
| • | |

| 10.11 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 (pc)@ss13-27-24-26-03 [BAA064018])

| With integrated power supply Yo 0.0 Input voltage AC 50 Hz YO 0.0 Input voltage AC 50 Hz YO 0.0 Input voltage Ginut voltage Ginut voltage Ginut voltage Ginut voltage Ginut voltage AC 50 Hz AO 0 Max. input current AC 50 Hz AO 0 Max. input current AC 50 Hz AO 0 Max. input current AC 50 Hz AO 0 Output voltage AC 50 Hz YO 0.0 Output voltage AC 50 Hz AO 0 Output voltage AC 50 Hz AO 0 Max. output current AC 50 Hz AO 0 Max. | (ecl@ss13-27-24-26-03 [BAA064018]) | iti di System (F CS// Fier | ia bas, decentranzea peripherar/ Freia bas, decentranzea peripherar - module carrier |
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| Injury voltage Injury voltage (Injury voltage (Injury voltage) Max. injurt current AC 50 Hz Max. injurt current AC 50 Hz Max. injurt current BC Max. injurt voltage AC 50 Hz Utjury voltage AC 50 Hz AC 50 AC | Input voltage AC 50 Hz | V | 0 - 0 |
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| Max. input current AC 50 Hz A 0 Max. input current AC 50 Hz A 0 Max. input current AC 50 Hz V 0 Output voltage AC 50 Hz V 0 Output voltage AC 60 Hz V 0 Output voltage AC 60 Hz D 0 Output voltage AC 60 Hz A 0 Mxx. output current AC 50 Hz A 0 Mxx. output current AC 60 Hz A 0 Mxx. output current AC 60 Hz A 0 Mxx. output current AC 50 Hz A 0 Wxx. by buggable modules, current Mc 50 Hz 0 0 | Input voltage DC | V | 0 - 0 |
| Max. input current AC 80 Hz A 0 Max. input current DC V 0 0 Output voltage AC 80 Hz V 0 0 Output voltage AC 80 Hz V 0 0 Output voltage AC 80 Hz V 0 0 Type of output voltage V 0 0 Max. cutput current AC 80 Hz A 0 0 Max. cutput current AC 80 Hz A 0 0 Name, cutput current AC 80 Hz A 0 0 With pluggable modules, digital I/O Yes Yes With pluggable modules, digital I/O No No With pluggable modules, cuertral modules Yes No With pluggable modules, others Yes No Salca before thavelly in possible < | Type of voltage (input voltage) | | DC |
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| Output voltage AC 50 Hz V 0 - 0 Output voltage AC 60 Hz V 0 - 0 Type of output voltage BC V 0 - 0 Type of output voltage BC A 0 Max. output current AC 50 Hz A 0 Max. output current AC 60 Hz A 0 Number of stots I 6 8 Number of stots I No 1 With pluggable modules, digital I/O No No 1 With pluggable modules, communication modules Yes No 1 With pluggable modules, output current Im outles No No | Max. input current AC 60 Hz | Α | 0 |
| Output voltage DC V 0 - 0 Type of output voltage V 0 - 0 Max. output current AC 50 Hz A 0 Max. output current AC 60 Hz A 0 Max. output current CDC A 0 System accessory Yes 1 Number of slots 1 1 With pluggable modules, digital VO Yes No With pluggable modules, digital VO No No With pluggable modules, communication modules No No With pluggable modules, communication modules Yes No Ball mounting possible Yes No Ball mounting possible | Max. input current DC | Α | 0 |
| Output voltage 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 60 Hz A 0 Max. output current AC 60 Hz A 0 Vistam accessory Yes Ves Number of slots Yes Ves With plugable modules, digital I/O Yes Ves With plugable modules, communication modules Yes No With plugable modules, communication and technology modules Yes Yes With plugable modules, contral modules Yes Yes Wall mounting direct mounting Yes No Sultable for saley functions Yes No Sultable for saley functions Yes No | Output voltage AC 50 Hz | V | 0 - 0 |
| Type of output voltage DC Max. output current AC 50 Hz A 0 Max. output current DC A 0 System accessory B Yes Number of slots 1 Yes With pluggable modules, digital I/O Yes With pluggable modules, analogue I/O No No With pluggable modules, function and technology modules No No With pluggable modules, central modules Yes No With pluggable modules, function and technology modules No No With pluggable modules, central modules Yes No With pluggable modules, central modules No No With pluggable modules, central modules Yes No With pluggable modules, functions No No Bail mounting possible No No Bail mounting possible No No | Output voltage AC 60 Hz | V | 0 - 0 |
| Max. output current AC 50 Hz A 0 Max. output current DC A 0 System accessory Yes Number of slots 1 1 With pluggable modules, digital I/O Yes With pluggable modules, analogue I/O No With pluggable modules, function and technology modules No With pluggable modules, communication modules Yes With pluggable modules, function and technology modules No With pluggable modules, central modules Yes With pluggable modules, others No Bail mounting possible Yes Wall mounting possible No Bail mounting possible No Back-assembly possible No Suitable for safety functions No St. according to EC 61508 No Performance level according to EN ISO 13849-1 None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) None Explosion safety category for dust None With None Explosion safety category for dust< | Output voltage DC | V | 0 - 0 |
| Max. output current AC 60 Hz A 0 Max. output current DC A 0 System accessory Yes 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, contral modules Yes With plugable modules, central modules Yes Wall mounting possible Yes Wall mounting for the modules, central modules Yes Wall mounting for the mounting Yes Solicities for settle for the mounting No Suitable for settle functi | 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 No With pluggable modules, communication modules Yes With pluggable modules, communication modules Yes With pluggable modules, contral modules Yes With pluggable modules, others No Rail mounting possible No Wall mounting/direct mounting Yes Wall mounting/direct mounting No Front built-in possible No Suitable for safety functions No Sult according to EC 61508 No Performance level according to EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ib) No Explosion safety category for dust None With None Explosion safety category for dust None | Max. output current AC 50 Hz | А | 0 |
| System accessory Yes Number of slots 1 With plugable modules, digital I/O Yes With plugable modules, analogue I/O No With plugable modules, function and technology modules No With plugable modules, function and technology modules Yes With plugable modules, central modules Yes With plugable modules, central modules Yes With plugable modules, others No Rail mounting possible No Wall mounting/direct mounting No Value 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 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ib) No Explosion safety category for dust None With None Explosion safety category for dust None With None Rain mounting (Brit | Max. output current AC 60 Hz | Α | 0 |
| Number of slots 1 With plugable modules, digital I/O Yes With plugable modules, analogue I/O No With plugable modules, function and technology modules No With plugable modules, function and technology modules Yes With plugable modules, central modules Yes With plugable modules, central modules No With plugable modules, central modules Yes With plugable modules, central modules No Rail mounting possible No 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) None Explosion safety category for gas None Explosion safety category for dust None With None Height None | Max. output current DC | Α | 0 |
| With pluggable modules, digital I/O Yes With pluggable modules, analogue I/O No With pluggable modules, communication modules Image: Communication modules in modules in modules in modules, function and technology modules in modules, central modules, central modules, central modules, central modules in modules in modules, others 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 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ib) No Explosion safety category for gas No Explosion safety category for dust None Width Mone Height Mone Building None Building None Explosion safety category for dust None Width None Proposition safety category for dust | System accessory | | 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, others No Rail mounting possible No Wall mounting/direct mounting Yes Value mounting/direct mounting No Front built-in possible No Rack-assembly possible No Suitable for safety functions No Still according to IEC 61508 No Performance level according to EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ib) No Explosion safety category for gas No Explosion safety category for dust No Width None Height mm 12.6 Height mm 49.9 | Number of slots | | 1 |
| With pluggable modules, communication modules With pluggable modules, function and technology modules With pluggable modules, central modules With pluggable modules, central modules With pluggable modules, others 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 ib) Explosion safety category for gas Explosion safety category for dust Width Height mm 12.6 Height | With pluggable modules, digital I/O | | Yes |
| With pluggable modules, function and technology modules With pluggable modules, central modules Yes No | With pluggable modules, analogue I/O | | No |
| With pluggable modules, central modules With pluggable modules, others No No Rail mounting possible Wall mounting/direct mounting Front built-in 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 Height Yes No | 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 ib) Explosion safety category for gas Explosion safety category for dust Width Height Mo No No No No No No No No No | 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 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 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 No No No No No No No N | With pluggable modules, others | | No |
| Front built-in possible Rack-assembly possible Rock-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 Explosion safety category for dust Width Height No No None None None None None None Non | Rail mounting possible | | Yes |
| 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 No No No No No No No No No N | 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 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 Height None None None None None 12.6 mm 49.9 | | | No |
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| Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Minum M | Performance level according to EN ISO 13849-1 | | None |
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| Explosion safety category for dust Width mm 12.6 Height mm 49.9 | | | |
| Widthmm12.6Heightmm49.9 | | | |
| Height mm 49.9 | | | |
| | | mm | |
| Depth mm 117.6 | - | mm | |
| | Depth | mm | 117.6 |