

Base module block XI/ON, tension spring, 3 connection levels

Part no. XN-B3T-SBB
140133
EL Number 4520646
(Norway)

| General specifications | |
|-------------------------------------|--|
| Product name | Eaton XN Rack |
| Part no. | XN-B3T-SBB |
| EAN | 7640130120433 |
| Product Length/Depth | 117.6 millimetre |
| Product height | 49.9 millimetre |
| Product width | 100.8 millimetre |
| Product weight | 0.206 kilogram |
| Certifications | Certified by UL for use in Canada IEC/EN 6113-2 CSA-C22.2 No. 142 CSA Class No.: 2252-01, 2252-81 UL File No.: E205091 UL Recognized UL 508 CE IEC/EN 61000-6-2 UL report applies to both US and Canada IEC/EN 61131-2 CE, cUL Rated data for terminations according to IEC/EN 60947-7-1 UL Category Control No.: NRAQ, NRAQ7 IEC/EN 61000-6-4 |
| Product Tradename | XN |
| Product Type | Rack |
| Product Sub Type | None |
| Features & Functions | |
| Fitted with: | 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 | 3 |
| Type | XI/ON block base module |
| Used with | XN-16DI-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 - H2S: 1 ppm (relative humidity < 75%, no condensation) Harmful gasses - SO2: 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 | 30 - 230 MHz (radiated, high frequency, according to EN 55016-2-3) 230 - 1000 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 mm ² , solid, H07V-U 0.5 - 1.5 mm ² , flexible without ferrule, H07V-K 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 , 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 (ecl@ss13-27-24-26-03 [BAA064018]) | | | |
| With integrated power supply | | | No |
| 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 | | 100.8 |
| Height | mm | | 49.9 |
| Depth | mm | | 117.6 |