Bus refreshing module XI/ON, 24 V DC

Part no. XN-BR-24VDC-D

140071 4520627

EL Number (Norway)



| Concretenceifications | |
|--------------------------------|--|
| General specifications | E. MIR. C. II. |
| Product name | Eaton XN Bus refreshing module |
| Part no. | XN-BR-24VDC-D |
| EAN | 7640130120518 |
| Product Length/Depth | 55.4 millimetre |
| Product height | 74.1 millimetre |
| Product width | 12.6 millimetre |
| Product weight | 0.037 kilogram |
| Compliances | CE Marked RoHS Compliant |
| Certifications | UL Listed IEC/EN 61000-6-2 CULus Certified by UL for use in Canada UL File No.: E205091 CE UL Category Control No.: NRAQ, NRAQ7 UL 508 IEC/EN 61131-2 IEC/EN 61000-6-4 UL report applies to both US and Canada CSA-C22.2 No. 142 IEC/EN 6113-2 CSA Class No.: 2252-01, 2252-81 UL Recognized |
| Product Tradename | XN |
| Product Type | Bus refreshing module |
| Product Sub Type | None |
| Catalog Notes | System power supply 24 V DC for generation of power for module bus and gatewa (XN-GW) $$ |
| Features & Functions | |
| Electric connection type | Screw-/spring clamp connection |
| Features | Fieldbus connection over separate bus coupler possible |
| Fitted with: | Potential separation |
| Functions | Bus diagnosis possible |
| General information | |
| Admissible range | 18 - 30 V DC, Supply module |
| Degree of protection | IP20 |
| Mounting method | Rail mounting possible |
| Product category | XN Slice module |
| Residual ripple | < 5 % (according to EN 61131-2) |
| Suitable for | Base modules without C-Connection: 2-/3-wire Base modules with C-connection: 4-wire |
| Suitable as | Segment module |
| Туре | XI/ON power supply module |
| Used with | XN-P3T-SBB XN-P3S-SBB XN-P4S-SBBC-B XN-P4S-SBBC, XN-P3T-SBB-B XN-P4T-SBBC XN-P4T-SBBC-B XN-P3S-SBB-B XN-P3S-SBB-B XN-P3S-SBB-B XN-P3T-SBB-B |
| Voltage type | DC |
| Ambient conditions, mechanical | |
| | According to IEC 60068-2-31, free fall according to IEC 60068-2-32 |
| Drop and topple | According to IEC 00000-2-31, free fall according to IEC 00000-2-32 |

| - S02: 10 ppm (relative humidity < 75%, no condensation) - H2S: 1 ppm (relative humidity < 75%, no condensation) Level RH-2, non-condensing for storage at 45°C) I 61000-4-2 C/EN 61000-4-4 C EN 61100-4-2 diated, high frequency, according to EN 55016-2-3) radiated, high frequency, according to EN 55016-2-3) 6 C/EN 61000-4-5 Level 4 I 61131-2 (Voltage fluctuations/voltage dips) |
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| 10.9.2 Power-frequency electric strength | Is the panel builder's responsibility. |
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| 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 - power supply/segment module (EC001600)

Electric engineering, automation, process control engineering / Control, Process Control System (PCS) / Field bus, decentralized peripheral / Field bus, decentralized peripheral - feed and segment module (eci@ss13-27-24-26-10 [BAA071018])

| segment module (ecl@ss13-27-24-26-10 [BAA071018]) | | |
|---|---|---------|
| Supply voltage AC 50 Hz | V | 0 - 0 |
| Supply voltage AC 60 Hz | V | 0 - 0 |
| Supply voltage DC | V | 18 - 30 |
| Voltage type (supply voltage) | | DC |
| Number of HW-interfaces industrial Ethernet | | 0 |
| Number of interfaces PROFINET | | 0 |
| Number of HW-interfaces RS-232 | | 0 |
| Number of HW-interfaces RS-422 | | 0 |
| Number of HW-interfaces RS-485 | | 0 |
| Number of HW-interfaces serial TTY | | 0 |
| Number of HW-interfaces parallel | | 0 |
| Number of HW-interfaces wireless | | 0 |
| Number of HW-interfaces USB | | 0 |
| Number of HW-interfaces other | | 1 |
| With optical interface | | No |
| Supporting protocol for EtherCAT | | No |
| Supporting protocol for TCP/IP | | No |
| Supporting protocol for PROFIBUS | | No |
| Supporting protocol for CAN | | No |
| Supporting protocol for INTERBUS | | No |
| Supporting protocol for ASI | | No |
| Supporting protocol for KNX | | No |
| Supporting protocol for Modbus | | No |
| Supporting protocol for Data-Highway | | No |
| Supporting protocol for DeviceNet | | No |
| Supporting protocol for SUCONET | | No |
| Supporting protocol for LON | | No |
| Supporting protocol for PROFINET IO | | No |
| Supporting protocol for PROFINET CBA | | No |
| Supporting protocol for SERCOS | | No |
| Supporting protocol for Foundation Fieldbus | | No |
| Supporting protocol for EtherNet/IP | | No |
| Supporting protocol for AS-Interface Safety at Work | | No |
| Supporting protocol for DeviceNet Safety | | No |
| Supporting protocol for INTERBUS-Safety | | No |
| Supporting protocol for PROFIsafe | | No |
| Supporting protocol for SafetyBUS p | | No |
| Supporting protocol for other bus systems | | Yes |
| Radio standard Bluetooth | | No |
| Radio standard WLAN 802.11 | | No |
| Radio standard GPRS | | No |
| Radio standard GSM | | No |

| Radio standard UMTS | | No |
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| System accessory | | Yes |
| Degree of protection (IP) | | IP20 |
| Type of electric connection | | Screw-/spring clamp connection |
| With potential separation | | Yes |
| With power supply module | | No |
| Suitable as segment module | | Yes |
| Remote module | | No |
| Fieldbus connection over separate bus coupler possible | | Yes |
| Bus diagnosis possible | | 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 |
| Certified for UL hazardous location class I | | No |
| Certified for UL hazardous location class II | | No |
| Certified for UL hazardous location class III | | No |
| Certified for UL hazardous location division 1 | | No |
| Certified for UL hazardous location division 2 | | No |
| Certified for UL hazardous location group A (acetylene) | | No |
| Certified for UL hazardous location group B (hydrogen) | | No |
| Certified for UL hazardous location group C (ethylene) | | No |
| Certified for UL hazardous location group D (propane) | | No |
| Certified for UL hazardous location group E (metal dusts) | | No |
| Certified for UL hazardous location group F (carbonaceous dusts) | | No |
| Certified for UL hazardous location group G (non-conductive dusts) | | No |
| Width | mm | 12.6 |
| Height | mm | 74.1 |
| Depth | mm | 55.4 |