



**Base module block XI/ON, screw, 3 connection levels**

**Part no.** XN-B3S-SBB  
**Catalog No.** 140137

**Delivery program**

|                      |  |  |                          |
|----------------------|--|--|--------------------------|
| Function             |  |  | XI/ON block base modules |
| Connection levels    |  |  | 3 connection levels      |
| Connection technique |  |  | Screw terminals          |
| Function             |  |  | for Block module         |
| For use with         |  |  | XN-16DI-24VDC-P          |

**Technical data**

**General**

|   |  |     |   |
|---|--|-----|---|
| Standards                                       |  |     | EN 61000-6-2<br>EN 61000-6-4<br>EN 61131-2  |
| Potential isolation                             |  |     | Yes, through optocoupler  |
| Ambient temperature                             |  | °C  | 0 - +55   |
| Relative humidity                               |  |     | 5 - 95 % (indoor), Level RH-2, no condensation (for storage at 45°C)  |
| Harmful gases                                   |  | ppm | SO <sub>2</sub> : 10 (rel. humidity < 75%, no condensation)<br>H <sub>2</sub> S: 1.0 (rel. humidity < 75 %,no condensation) |
| Vibration resistance, operating conditions      |  |     | according to IEC/EN 60068-2-6   |
| Mechanical shock resistance                     |  | g   | according to IEC 60068-2-27   |
| Continuous shock resistance (IEC/EN 60068-2-29) |  |     | According to IEC 60068-2-29   |
| Drop and topple                                 |  |     | According to IEC 60068-2-31, free fall according to IEC 60068-2-32  |
| Degree of Protection                            |  |     | IP20  |
| Electromagnetic compatibility (EMC)             |  |     |   |
| ESD   | Air/contact discharge                  | kV  | EN 61000-4-2  |
| Electromagnetic fields                          | (0.08...1) / (1,4...2) / (2...2,7) GHz | V/m | EN 61100-4-2  |
| Burst   |  |     | EN 61100-4-4  |
| Surge   |  |     | EN 61100-4-5  |
| Radiated RFI                                    |  | V   | EN 61100-4-6  |
| Emitted interference (radiated, high frequency) | (30...230 MHz) / (230...1000 MHz)      | dB  | EN 55016-2-3  |
| Voltage fluctuations/voltage dips               |  |     | EN 61131-2  |
| Type test                                       |  |     | to EN 61131-2   |
| Approvals                                       |  |     | CE, cUL (where required in process)   |
| Other technical data (sheet catalogue)          |  |     | Technical Data  |

**Terminations**

|  |  |                 |  |
|--|--|-----------------|--|
| Rated data   |  |                 | according to VDE 0611 Part 1/8.92 / IEC/EN 60947-7-1 |
| Connection design in TOP direction   |  |                 | Spring-loaded/screw terminal                         |
| Stripping length   |  | mm              | 8  |
| Clamping range   |  |                 | max. 0.5 - 2.5 mm <sup>2</sup>                       |
| Connectable conductors   |  |                 |  |
| "e" solid H07V-U   |  | mm <sup>2</sup> | 0.5 - 2.5  |
| "f" flexible H 07V-K   |  | mm <sup>2</sup> | 0.5 - 1.5  |
| "f" with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight) |  | mm <sup>2</sup> | 0.5 - 1.5  |
| "f" with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)    |  | mm <sup>2</sup> | 0.5 - 1.5  |
| Gauge pin IEC/EN 60947-1   |  |                 | A1   |

## Design verification as per IEC/EN 61439

| Technical data for design verification   |            |    |  |
|--|------------|----|--|
| Rated operational current for specified heat dissipation   | $I_n$      | A  | 0  |
| Heat dissipation per pole, current-dependent   | $P_{vid}$  | W  | 0  |
| Equipment heat dissipation, current-dependent  | $P_{vid}$  | W  | 0  |
| Static heat dissipation, non-current-dependent   | $P_{vs}$   | W  | 0  |
| Heat dissipation capacity  | $P_{diss}$ | W  | 0  |
| Operating ambient temperature min.   |            | °C | 0  |
| Operating ambient temperature max.   |            | °C | 55   |
| Degree of Protection   |            |    | IP20   |
| IEC/EN 61439 design verification   |            |    |  |
| 10.2 Strength of materials and parts   |            |    |  |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties   |            |    |  |
| 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 7.0

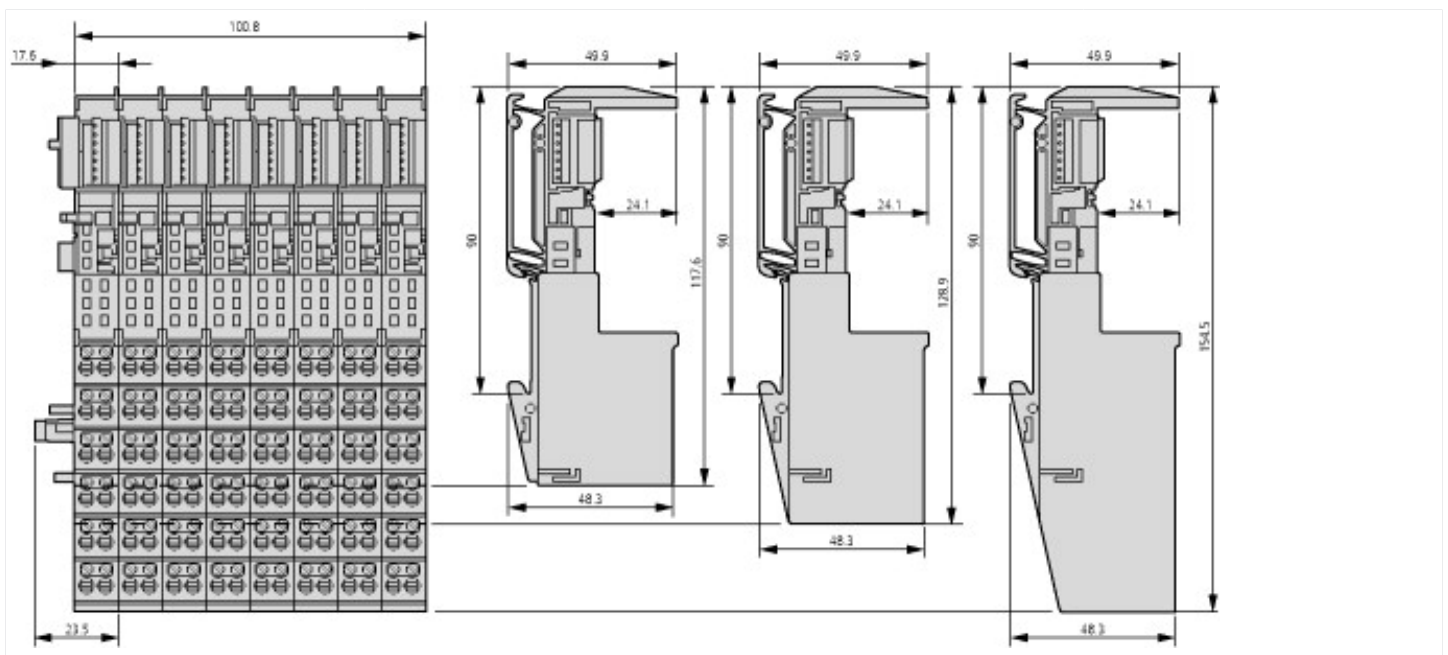
| PLC's (EG000024) / Fieldbus, decentr. periphery - mounting frame (EC001598)   |  |   |       |
|---|--|---|-------|
| Electric engineering, automation, process control engineering / Control / Field bus, decentralized peripheral / Field bus, decentralized peripheral - module carrier (ecl@ss10.0.1-27-24-26-03 [BAA064013]) |  |   |       |
| With integrated power supply  |  |   | No    |
| Input voltage at AC 50 Hz   |  | V | 0 - 0 |
| Input voltage at AC 60 Hz   |  | V | 0 - 0 |
| Input voltage at 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 at AC 50 Hz  |  | V | 0 - 0 |
| Output voltage at AC 60 Hz  |  | V | 0 - 0 |
| Output voltage at 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 build in possible                                 |    | No    |
| Rack-assembly possible                                  |    | No    |
| Suitable for safety functions                           |    | No    |
| Category according to EN 954-1                          |    |       |
| SIL according to IEC 61508                              |    | None  |
| Performance level acc. 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 | 117.6 |
| Depth   | mm | 49.9  |

## Approvals

|                                      |  |  |
|--------------------------------------|--|--|
| Product Standards                    |  | UL 508; CSA-C22.2 No. 142; IEC/EN 6113-2; CE marking |
| UL File No.                          |  | E205091  |
| UL Category Control No.              |  | NRAQ, NRAQ7  |
| CSA File No.                         |  | UL report applies to both US and Canada              |
| CSA Class No.                        |  | 2252-01, 2252-81                                     |
| North America Certification          |  | UL recognized, certified by UL for use in Canada     |
| Specially designed for North America |  | No   |
| Current Limiting Circuit-Breaker     |  | No   |
| Degree of Protection                 |  | IEC: IP20, UL/CSA Type: -                            |

## Dimensions



## Assets (links)

Declaration of CE Conformity

00002374

## Additional product information (links)

Technical Data

<http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=14.111>