## DATASHEET - XN-322-8DIO-PD05



Digital I/O module, 4 digital inputs and 4 digital outputs 24 V DC each, pulse-switching

Powering Business Worldwide\*

Part no. XN-322-8DIO-PD05 Catalog No. 183178

Alternate Catalog XN-322-8DIO-PD05

No

## **Delivery program**

| 71 0                 |  |
|----------------------|--|
| Function             | XN300 I/O slice modules  |
| Connection technique | Push-in spring-cage terminal   |
| Function             | XN-322 digital input and output module for XN300                     |
| Short Description    | 4 digital inputs and 4 digital outputs 24 V DC each, pulse-switching |
| For use with         | XN-312<br>XC-303   |

## **Technical data**

| ^ | _ | _ | _ | <br>_ 1 |
|---|---|---|---|---------|
|   |   |   |   |         |

| Standards                                       |                                      |     | IEC/EN 61131-2<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-4 |
|---|--------------------------------------|-----|--|
| Approvals                                       |                                      |     |  |
| Approvals                                       |                                      |     | CE, cULus<br>EAC                                       |
| shipping classification                         |                                      |     | DNV GL   |
|   |                                      |     | DNV-GL MARITIME  |
| Electromagnetic compatibility (EMC)             |                                      |     |  |
| ESD   | Air/contact discharge                | kV  | 8/4  |
| Electromagnetic fields                          | (0.081) /<br>(1,42) / (2<br>2,7) GHz | V/m | 10/3/1   |
| Burst   |                                      |     |  |
| Supply cable                                    |                                      | kV  | 2  |
| Signal cable                                    |                                      | kV  | 1  |
| Surge   |                                      |     |  |
| Supply cable (balanced / unbalanced)            |                                      | kV  | 0,5 / 0,5  |
| Signal cable (unbalanced)                       |                                      | kV  | 1  |
| Radiated RFI                                    |                                      | V   | 10   |
| Emitted interference (radiated, high frequency) | (30230<br>MHz) /<br>(2301000<br>MHz) | dB  | 40 / 47 class A  |
| Voltage fluctuations/voltage dips               |                                      |     | Yes / 10 ms  |
| Ambient conditions                              |                                      |     |  |
| Climatic conditions                             |                                      |     |  |

| Climatic proofing   |                             |                 | Dry heat to IEC 60068-2-2   |
|---|-----------------------------|-----------------|---|
| Air and a second for the second for |                             | L.D.            | Damp heat as per EN 60068-2-3   |
| Air pressure (operation)  |                             | hPa             | 795 - 1080  |
| Relative humidity   |                             |                 | 0 - 95%, non condensing   |
| Condensation  |                             |                 | prevent with suitable measures  |
| Temperature   |                             |                 |   |
| Operation   |                             | °C              | 0 - +60   |
| Storage, transport  | 8                           | °C              | -20 - +85   |
| Degree of Protection  |                             |                 | IP20  |
| Mounting position   |                             |                 | Vertical (on horizontal top-hat rail)   |
| Free fall, packaged (IEC/EN 60068-2-32)   | 2 E / 1                     | m<br>II-        | 1   |
| Vibrations  |                             | Hz              | 5 - 8.4 / 8.4 - 150   |
| Mechanical shock resistance  Terminations   | Semisinusoida<br>15 g/11 ms | iiipacis        | 10  |
| Rated operational data  |                             |                 |   |
| Insulating material group   |                             |                 | 1   |
| Overvoltage category / pollution degree   |                             |                 | III/3   |
| Rated operating voltage   |                             | V               | 160   |
| Maximum load current/cross-sectional area   |                             | A / mm²         | X (not specified by plug manufacturer)  |
| Connection design in TOP direction  |                             |                 | Push-in spring-cage terminal (plug-in connection)   |
| Stripping length  |                             | mm              | 10  |
| Gauge pin IEC/EN 60947-1  |                             |                 | A1  |
| Connection specifications   |                             |                 |   |
| "e" solid H07V-U  |                             | mm <sup>2</sup> | 0.2 - 1.5   |
| "f" flexible H 07V-K  |                             | mm <sup>2</sup> | 0.2 - 1.5   |
| "f" with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)  |                             | mm <sup>2</sup> | 0.25 - 1.5  |
| "f" with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)   |                             | mm <sup>2</sup> | 0.25-1,5  |
| Cable size  |                             | AWG             | 24 - 16   |
| Supply  |                             |                 |   |
| Power supply - Input  |                             |                 |   |
| Power supply  |                             |                 | 6. 3.5  |
| Current consumption for +5 V power supply (internal)  |                             | mA              | (typ.) 45   |
| Current consumption for +24 V power supply  |                             | mA              | (typ.) none   |
| Potential isolation   | PE<br>(polyethylene)        |                 | no  |
| Rated operating voltage   | Ue                          | V               | 24 (terminal +1)  |
| Rated operational current   | le                          | Α               | 2   |
| Potential isolation   |                             |                 | no  |
| Heat dissipation  |                             |                 |   |
| Heat dissipation (without active channels)  |                             | W               | 0.25  |
| Max. heat dissipation   |                             | W               | 1.502   |
| Notes on heat dissipation   |                             |                 | The max. heat dissipation is specified as the maximum power produced inside the device's housing. |
| Digital inputs Channels   |                             | Number          |   |
| Input voltage   |                             | Nullibel        | 7   |
| Nominal input voltage   | U <sub>e</sub>              | V DC            | 24  |
|   |                             |                 |   |
| Low level   | U <sub>e</sub> L            | V               | 0 < U <sub>e</sub> L < +8   |
| High level  | U <sub>e</sub> H            | V               | +14 < UeH < +30   |
| Input current   |                             |                 |   |
| Input current, nominal value  | l <sub>e</sub>              | mA              | 3.7   |
| Low level/active level  | I <sub>e</sub> L            | mA              | ≤1.1  |
| High level∕active level   | l <sub>eH</sub>             | mA              | ≥2.3  |
| Input delay   |                             |                 |   |
|   |                             |                 |   |

| moning dage                                     |                  |                             |   |
|---|------------------|-----------------------------|---|
| <sup>†</sup> Falling edge                       |                  | μs                          | < 5000  |
| Potential isolation                             |                  | Input to input              | no  |
| Heat dissipation (per active channel)           |                  | W                           | 0.088   |
| Digital inputs                                  |                  |                             |   |
| Notes on digital inputs                         |                  |                             | Inputs as per EN61131-2 Type 1  |
| Digital outputs                                 |                  |                             |   |
| Channels  |                  | Quantity                    | 4   |
| Output voltage                                  |                  |                             |   |
| Output voltage, nominal value                   | $U_a$            | V DC                        | 24  |
| Low level                                       | $U_aL$           | V                           | $0V < Ua_L < 1V$  |
| High level                                      | UaH              | V                           | $Ue - 1V < Ua_{H} < Ue$   |
| Output current                                  |                  | Α                           |   |
| Output current, nominal value                   | I <sub>a</sub> L | Α                           | 0.5   |
| Low signal                                      | I <sub>A</sub>   | mA                          | $0 < la_L < 0.5$  |
| High level                                      | I <sub>a</sub> H | mA                          | $0 \le Ia_H \le 500$  |
| Short-circuit rating                            |                  |                             | Yes   |
| Potential isolation                             |                  | Output<br>against<br>output | по  |
| Heat dissipation (internal, per active channel) |                  | W                           | 0.095   |
| Utilization factor                              | %                | g                           | 100% (# IAmax = 2A)   |
| Delay on signal change and resistive load       |                  |                             |   |
| from Low to High level                          |                  | μs                          | < 100   |
| From High to Low signal                         |                  | μs                          | < 150   |
| Resistive load                                  |                  |                             |   |
| Resistive load                                  |                  | Ω                           | > 48  |
| Notes on digital outputs                        |                  |                             | Protective devices must be installed directly at the inductive load in order to prevent interference. |

μs < 5000

# Design verification as per IEC/EN 61439

t<sub>Rising edge</sub>

| Technical data for design verification  |          |    |  |
|---|----------|----|--|
| Static heat dissipation, non-current-dependent  | $P_{vs}$ | W  | 1.502  |
| 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.                         |

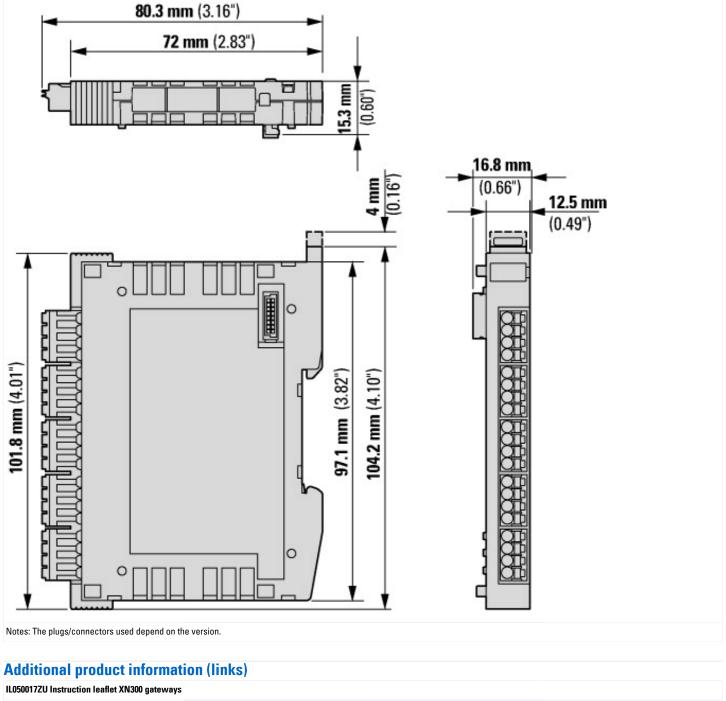
| 10.13 Mechanical function   |                             | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
|---|-----------------------------|--|
| Technical data ETIM 7.0   |                             |  |
| PLC's (EG000024) / Fieldbus, decentr. periphery - digital I/O module (EC00159               | 9)                          |  |
| Electric engineering, automation, process control engineering / Control / Fiel [BAA055014]) | ld bus, decentralized perip | pheral / Field bus, decentralized peripheral - digital I/O module (ecl@ss10.0.1-27-24-26-04              |
| Supply voltage AC 50 Hz   | V                           | 0 - 0  |
| Supply voltage AC 60 Hz   | V                           | 0 - 0  |
| Supply voltage DC   | V                           | 18 - 30  |
| Voltage type of supply voltage  |                             | DC   |
| Number of digital inputs  |                             | 4  |
| Number of digital outputs   |                             | 4  |
| Digital inputs configurable   |                             | No   |
| Digital outputs configurable  |                             | No   |
| Input current at signal 1   | mA                          | A 2.3  |
| Permitted voltage at input  | V                           | 30 - 30  |
| Type of voltage (input voltage)   |                             | DC   |
| Type of digital output  |                             | None   |
| Output current  | A                           | 0.5  |
| Permitted voltage at output   | V                           | 0 - 30   |
| Type of output voltage  |                             | DC   |
| Short-circuit protection, outputs available   |                             | No   |
| 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 TCP/IP  |                             | No   |
| Supporting protocol for PROFIBUS  |                             | No   |
| Supporting protocol for CAN   |                             | Yes  |
| 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 Device/NETRBUS_Safety         Mo           Supporting protocol for PROFISSE         Mo           Supporting protocol for PROFISSE         Mo           Supporting protocol for PROFISSE         Mo           Supporting protocol for SafetyBUS p         Mo           Radio standard Blustooth         Mo           Radio standard Blustooth         Mo           Radio standard WLAN 802.11         Mo           Radio standard WLAN 802.11         Mo           Radio standard UMTS         Mo           Radio standard SMA         Mo           Radio standard UMTS         Mo           System accessary         Mo           Begree of protection (IP)         Separate protection (IP)           Time delay at signal exchange         Mo           Rali mounting possible         Mo           Rali mounting firect mounting         Mo           Findbus connection over separate bus coupler possible         Mo           Rali mounting firect mounting         Mo           Find bus subsequence (IP)         Mo           Rali mounting firect mounting         Mo           Find bus samply possible         Mo           Suck-assembly possible         Mo           Suck-assembly possible         Mo <th></th> <th></th> <th></th>   |  |    |                                |
|--|--|----|--------------------------------|
| Supporting protocol for PROFIssia         In one           Supporting protocol for Safety8US p         Yes           Supporting protocol for other bus systems         Yes           Radio standard Bluetooth         No           Radio standard WLAN 802.11         No           Radio standard GSM         No           Radio standard WLAN 802.11         No           Radio standard WLAN 802.11         No           Radio standard WLAN 802.11         No           System accessory         Yes           Degree of protection (IP)         No           Type of electric connection         No           Time delay at signal exchange         No           Fieldbus connection over separate bus coupler possible         No           Rack assembly possible         No           Rack assembly possible         No   | Supporting protocol for DeviceNet Safety               |    | No                             |
| Supporting protocol for SafetyBUS p           We Server   Wester   Wes                                 | Supporting protocol for INTERBUS-Safety                |    | No                             |
| Supporting protocol for other bus systems           Policy                                    | Supporting protocol for PROFIsafe                      |    | No                             |
| Radio standard Bluetooth   | Supporting protocol for SafetyBUS p                    |    | No                             |
| Radio standard WLAN 80211  | Supporting protocol for other bus systems              |    | Yes                            |
| Radio standard GPRS         No           Radio standard GSM         No           Radio standard UMTS         No           10 link master         No           System accessory         Yes           Degree of protection (IP)         Poscopation (IP)           Type of electric connection         May         Poscoparting clamp connection           Time delay at signal exchange         May         O-5           Rail mounting possible         No         No           Rail mounting possible         No         No           Wall mounting/direct mounting         No         No           Front build in possible         No         No           Rack-assembly possible         No         No           Suitable for safety functions         No         No           Category according to EN 954-1         No         None           SIL according to EC 61508         No         None           Performance level acc. EN ISO 13849-1         No         None           Appendant operation agent (Exib)         No         None           Explosion safety category for dust         No         None           Explosion safety category for dust         No         None           Width         No         <  | Radio standard Bluetooth                               |    | No                             |
| Radio standard GSM Radio standard UMTS  10 link master 11 link master 12 link master 13 link master 14 link master 15 link master 15 link master 16 link master 16 link master 17 link master 18 link master 18 link master 18 link master 19 link master 10 link mas | Radio standard WLAN 802.11                             |    | No                             |
| Radio standard UMTS           Mo         No           10 link master         No         Yes           System accessory         P2         Yes           Degree of protection (IP)         Screw/spring clamp connection           Type of electric connection         Screw/spring clamp connection           Time delay at signal exchange         No         No           Rail mounting possible         Yes         No           Wall mounting/direct mounting         No         No           Front build in possible         No         No           Suitable for safety functions         No         No           Suitable for safety functions         No         No           Stategory according to EN 954-1         No         No           State according to EN 954-1         No         No           State according to EC 958-1         No         No           State according to EN 954-1         No         No           Appendant operation agent (Ex ia)         No         No           Appendant operation agent (Ex ia)         No   | Radio standard GPRS                                    |    | No                             |
| ID link master         No           System accessory         Yes           Degree of protection (IP)         PD           Type of electric connection         Screw-/spring clamp connection           Time delay at signal exchange         MS         0 - 5           Rail mounting possible         MS         Yes           Wall mounting/direct mounting         MS         Yes           Yes         No         No           Rack-assembly possible         No         No           Suitable for safety functions         MS         No           Category according to EN 954-1         No         No           SIL according to IEC 61508         No         No           Performance level acc. EN ISO 13849-1         No         No           Appendant operation agent (Ex ia)         No         No           Appendant operation agent (Ex ia)         No         No           Explosion safety category for gas         No         No           Explosion safety category for gas         No         No           Explosion safety category for dust         No         No           Will application agent (Ex ia)         No         No           Explosion safety category for dust         No         No   | Radio standard GSM                                     |    | No                             |
| System accessory         Mes           Degree of protection (IP)         IPD           Type of electric connection         Screw/spring clamp connection           Time delay at signal exchange         MS         0 - 5           Fieldbus connection over separate bus coupler possible         MS         Yes           Rail mounting/direct mounting         MS         Yes           Vall mounting/direct mounting         MS         No           Front build in possible         MS         No           Rack-assembly possible         MS         No           Suitable for safety functions         MS         No           Category according to EN 954-1         No         No           SIL according to IEC 61508         No         No           Performance level acc. EN ISO 13849-1         No         No           Appendant operation agent (Ex ia)         No         No           Appendant operation agent (Ex ia)         No         No           Explosion safety category for gas         No         No           Evplosion safety category for dust         No         No           Width         No         No           Width         No         No           Width         No         No <t< td=""><td>Radio standard UMTS</td><td></td><td>No</td></t<>   | Radio standard UMTS                                    |    | No                             |
| Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust Width Height Height Height Height  Pi D2  Screw-/spring clamp connection  No  - 5  No  No  No  No  No  No  No  No  No  N   | 10 link master   |    | No                             |
| Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation safety category for dust Explosion safety category for dust Width Height Height  Rocerw-/spring clamp connection  ns  so  so  so  so  so  so  so  so   | System accessory                                       |    | Yes                            |
| Time delay at signal exchange         ms         0 - 5           Fieldbus connection over separate bus coupler possible         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         No           SIL according to IEC 61508         No           Performance level acc. EN ISO 13849-1         None           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ja)         No           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         None           Height         None           None         None   | Degree of protection (IP)                              |    | IP20                           |
| Fieldbus connection over separate bus coupler possible  Rail mounting possible  Wall mounting/direct mounting  Front build in possible  Rack-assembly possible  Rack-assembly possible  Suitable for safety functions  Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. 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   | Type of electric connection                            |    | Screw-/spring clamp connection |
| Rail mounting possible  Wall mounting/direct mounting  Front build in possible  Rack-assembly possible  Suitable for safety functions  Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. 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  Yes  No  No  No  No  No  No  No  No  No  N  | Time delay at signal exchange                          | ms | 0 - 5                          |
| Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust Width Height Height  No  No  No  No  No  No  No  No  No  N   | Fieldbus connection over separate bus coupler possible |    | No                             |
| Front build in possible Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) 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   | Rail mounting possible                                 |    | Yes                            |
| Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. 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 Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. 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   | Front build in possible                                |    | No                             |
| Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. 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  | Rack-assembly possible                                 |    | No                             |
| SIL according to IEC 61508  Performance level acc. 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  16.8  Hought  None  None  None  16.8  None  | Suitable for safety functions                          |    | No                             |
| Performance level acc. 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  16.8  Mm 104.2  | Category according to EN 954-1                         |    | None                           |
| Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height  No None None None None None None None   | SIL according to IEC 61508                             |    | None                           |
| Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Height  No  None  None  None  None  None  16.8  Hought  None  104.2   | Performance level acc. EN ISO 13849-1                  |    | None                           |
| Explosion safety category for gas  Explosion safety category for dust  Width  Height  None  None  None  None  None  16.8  Mm  104.2  | Appendant operation agent (Ex ia)                      |    | No                             |
| Explosion safety category for dust Width Height None  None  16.8  Multiple  | Appendant operation agent (Ex ib)                      |    | No                             |
| Widthmm16.8Heightmm104.2   | Explosion safety category for gas                      |    | None                           |
| Height mm 104.2  | Explosion safety category for dust                     |    | None                           |
|  | Width  | mm | 16.8                           |
| Depth mm 80.3  | Height   | mm | 104.2                          |
|  | noight   |    |                                |

# Approvals

| Product Standards | CE, cULus |
|-------------------|-----------|
| UL File No.       | E135462   |

### **Dimensions**



 $IL050017ZU\ Instruction\ leaflet\ XN300\ gateways \\ \ https://es-assets.eaton.com/DOCUMENTATION/AWA\_INSTRUCTIONS/IL050017ZU2018\_02.pdf$ 

### Manual XN300 digital I/O modules, analog I/O modules, power supply modules, technology modules MN050002

Handbuch XN300 digitale E/A-Module, analoge E/A-Module, Stromversorgungsmodule, Technologiemodule MN050002 - Deutsch

Manual XN300 digital I/O modules, analog I/O https://es-assets.eaton.com/DOCUMENTATION/AWB\_MANUALS/MN050002\_EN.pdf

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modules, power supply modules, technology modules MN050002 - English f1=1457&f2=1282&f3=1836;Download Wizard

http://applications.eaton.eu/sdlc?LX=11&amp

XN300-Assist